

## Quick Note

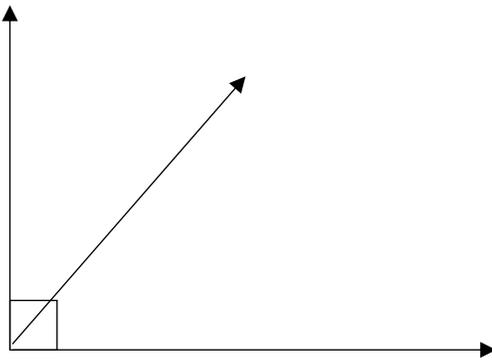
### Complementary and Supplementary Angles

My daughter had a resource she worked through with the definitions of complementary and supplementary angles. I realize that I should probably provide you with a quick refresher just in case! 😊

Two angles are supplementary if the sum of their measures is  $180^\circ$ . Here is an example:



Two angles are complementary if the sum of their measures is  $90^\circ$ . Here is an example:



Use the diagram to the right to answer each question.

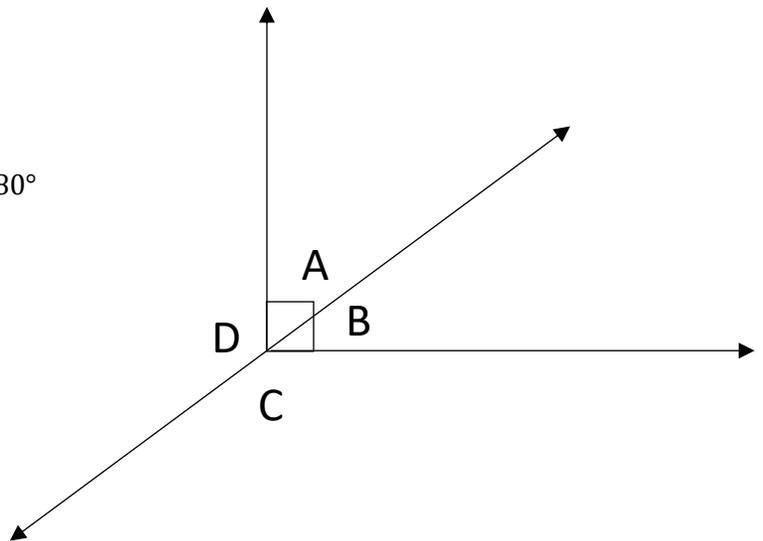
$\angle D$  and  $\angle A$  are supplementary, so  $\angle D + \angle A = 180^\circ$

$\angle C$  and  $\angle B$  are supplementary, so  $\angle C + \angle B = 180^\circ$

$\angle A$  and  $\angle B$  are complementary, so  $\angle A + \angle B = 90^\circ$

If  $\angle D$  is  $120^\circ$  what is  $\angle A$ ?  $60^\circ$

If  $\angle B$  is  $30^\circ$  what is  $\angle A$ ?  $60^\circ$



Name: \_\_\_\_\_

## Complementary and Supplementary Angles

Two angles are supplementary if the sum of their measures is \_\_\_\_\_. Complete the picture below:



Two angles are complementary if the sum of their measures is \_\_\_\_\_. Complete the picture below:



Use the diagram to the right to answer each question.

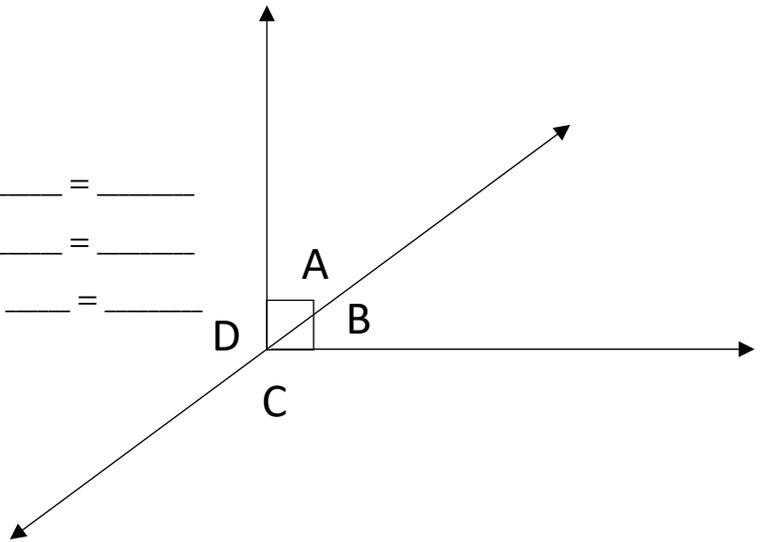
$\angle$  \_\_\_\_\_ and  $\angle$  \_\_\_\_\_ are supplementary, so  $\angle$  \_\_\_\_\_ +  $\angle$  \_\_\_\_\_ = \_\_\_\_\_

$\angle$  \_\_\_\_\_ and  $\angle$  \_\_\_\_\_ are supplementary, so  $\angle$  \_\_\_\_\_ +  $\angle$  \_\_\_\_\_ = \_\_\_\_\_

$\angle$  \_\_\_\_\_ and  $\angle$  \_\_\_\_\_ are complementary, so  $\angle$  \_\_\_\_\_ +  $\angle$  \_\_\_\_\_ = \_\_\_\_\_

If  $\angle D$  is  $120^\circ$  what is  $\angle A$ ? \_\_\_\_\_

If  $\angle B$  is  $30^\circ$  what is  $\angle A$ ? \_\_\_\_\_

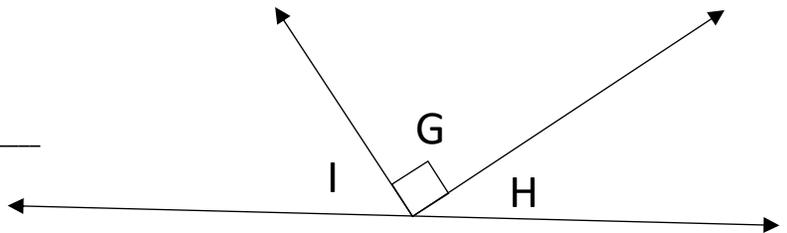


Use the diagram to the right to answer each question.

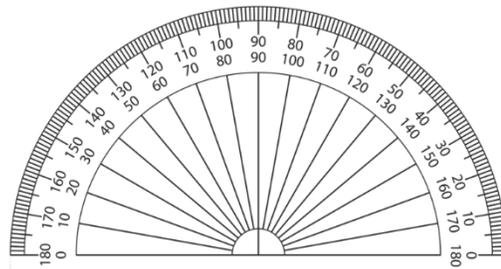
What is the measure of  $\angle G$ ? \_\_\_\_\_

If  $\angle H$  is  $35^\circ$  what is the measure of  $\angle G + \angle H$ ? \_\_\_\_\_

What is the measure of  $\angle I$ ? \_\_\_\_\_



Draw a  $90^\circ$  angle on the protractor to the right. Use a ruler and a red marker or colored pencil.



Name: \_\_\_\_\_

## Complementary and Supplementary Angles

Two angles are complementary if the sum of their measures is \_\_\_\_\_. Which angles below (right) are complementary? \_\_\_\_\_ and \_\_\_\_\_

Which angle below is a right angle? \_\_\_\_\_

Two angles are supplementary if the sum of their measures is \_\_\_\_\_.

Which angles below are supplementary? \_\_\_\_\_ and \_\_\_\_\_

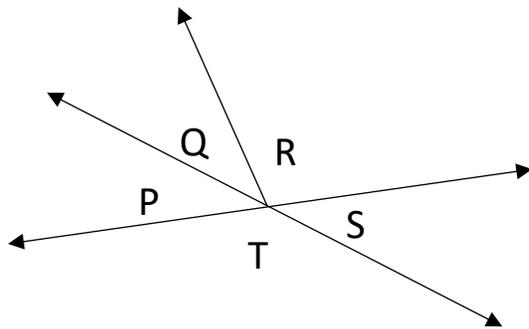
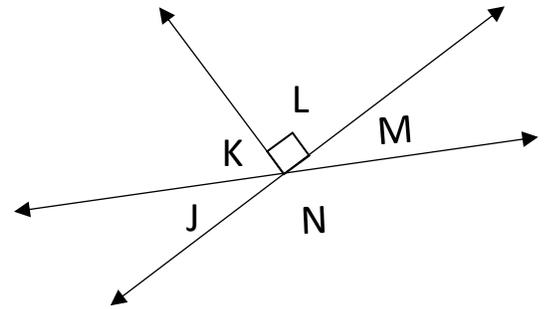
Use the diagram to the right to answer each question.

What is measure of  $\angle L$ ? \_\_\_\_\_

If  $\angle J$  is  $35^\circ$  what is the measure of  $\angle K$ ? \_\_\_\_\_

What is the measure of  $\angle M$ ? \_\_\_\_\_

What is the measure of  $\angle N$ ? \_\_\_\_\_



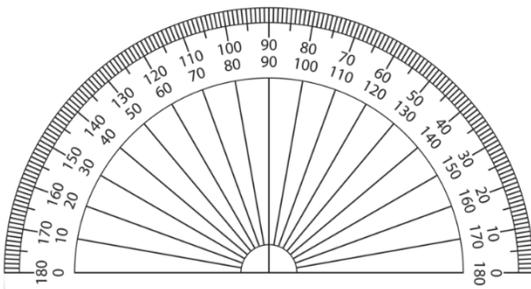
Use the diagram to the left to answer each question.

If  $\angle P$  is  $30^\circ$  and  $\angle R$  is  $100^\circ$  what is the measure of  $\angle Q$ ? \_\_\_\_\_

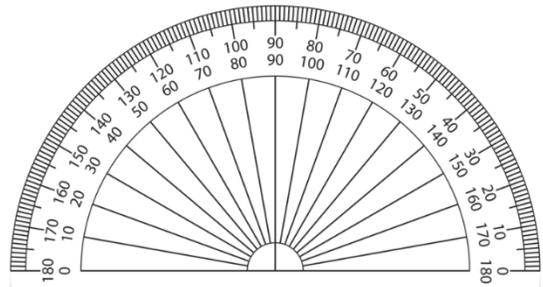
What is the measure of  $\angle S$ ? \_\_\_\_\_

What is the measure of  $\angle T$ ? \_\_\_\_\_

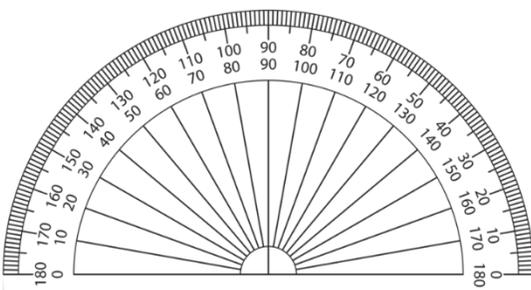
Draw a  $30^\circ$  angle opening to the left.



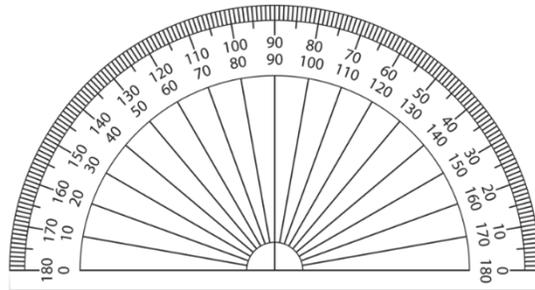
Draw a  $45^\circ$  angle opening to the right.



Draw a  $100^\circ$  angle opening to the right.



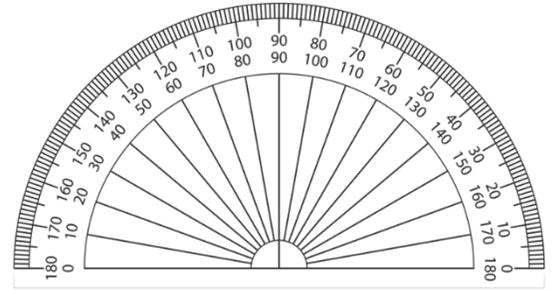
Draw a  $140^\circ$  angle opening to the left.



Name: \_\_\_\_\_

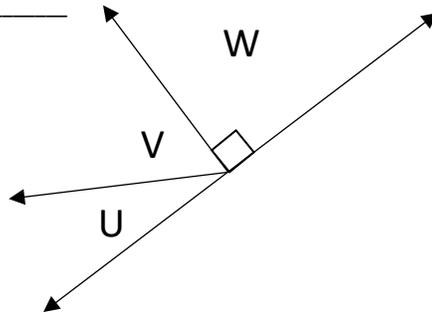
## Complementary and Supplementary Angles

Create a drawing in the space below with two supplementary angles with one angle approximately  $70^\circ$ .



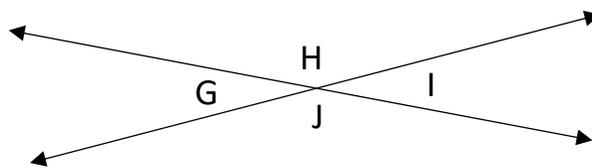
Create a drawing in the space below with two complementary angles with one angle approximately  $10^\circ$ .

If  $\angle U$  is  $27^\circ$  what is  $\angle V$ ? \_\_\_\_\_



What do you know about  $\angle G$  and  $\angle H$ ? \_\_\_\_\_

What do you know about  $\angle G$  and  $\angle I$ ? \_\_\_\_\_ Why? \_\_\_\_\_



Use the diagram to the right to answer each question.

If  $\angle A$  is  $15^\circ$  and  $\angle Y$  is  $36^\circ$  what is the measure of

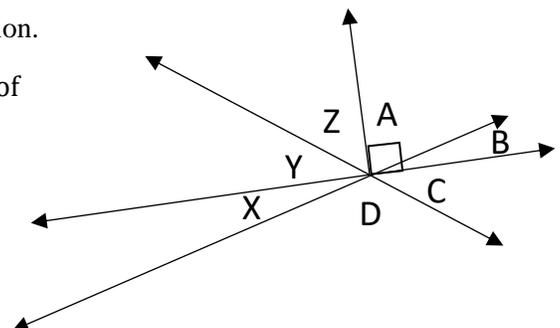
$\angle B$  \_\_\_\_\_

$\angle X$  \_\_\_\_\_

$\angle Z$  \_\_\_\_\_

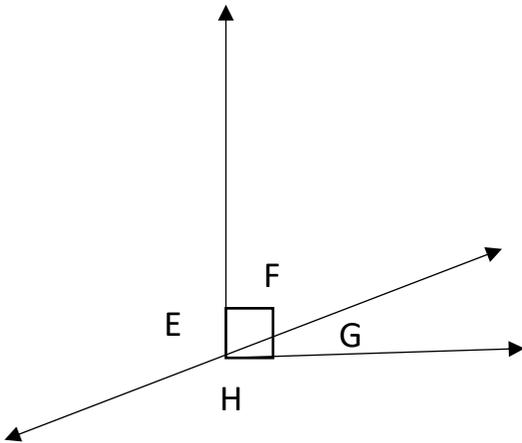
$\angle C$  \_\_\_\_\_

$\angle D$  \_\_\_\_\_



Name: \_\_\_\_\_

## Complementary and Supplementary Angles



Use the diagram to the left to answer the questions.

$\angle$  \_\_\_\_ and  $\angle$  \_\_\_\_ are supplementary.

$\angle$  \_\_\_\_ and  $\angle$  \_\_\_\_ are complementary

$\angle$  \_\_\_\_ and  $\angle$  \_\_\_\_ are supplementary.

If  $\angle F$  is  $69^\circ$  what is  $\angle E$ ? \_\_\_\_\_

What is  $\angle G$ ? \_\_\_\_\_

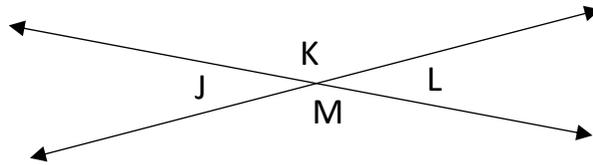
What is  $\angle H$ ? \_\_\_\_\_

If  $\angle J$  is  $26^\circ$  what are the measures of the other angles?

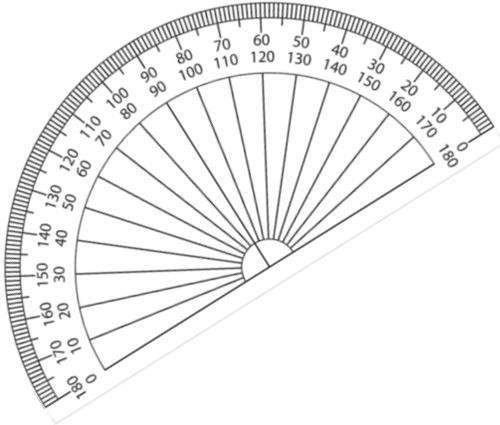
$\angle K$  \_\_\_\_\_

$\angle L$  \_\_\_\_\_

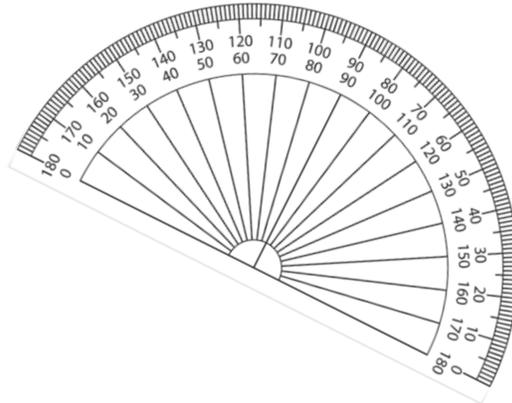
$\angle M$  \_\_\_\_\_



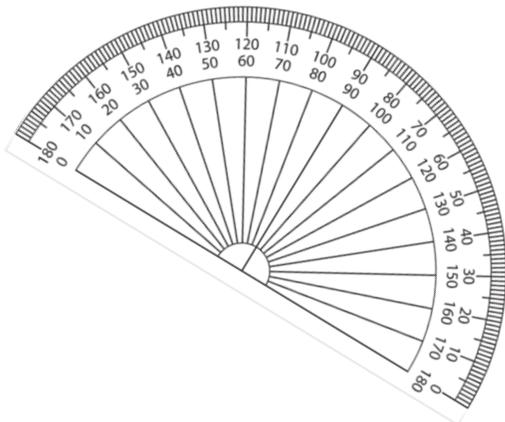
On the protractor below make a  $33^\circ$  angle:



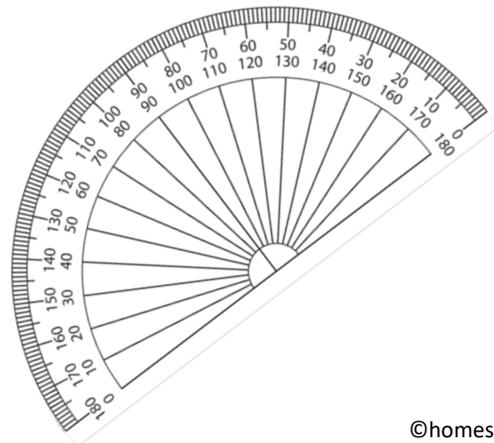
On the protractor below make a  $108^\circ$  angle:



On the protractor below make a  $142^\circ$  angle:



On the protractor below make a  $54^\circ$  angle:



You might also want to check out some of our resources pages above (such as our [Science](#), [Language Arts](#), or [History Units](#) Resource Pages) which have links to dozens of posts. You might want to join our [free Homeschool Den Chat Facebook group](#). Don't forget to check out [Our Store](#) as well. 😊

**Be sure to check out [our store](#) for more of our packets!**

<http://homeschoolden.com/store/>

### Click Here to Visit Our Store!

**Science Units:**  
(Scroll down below for larger images and descriptions of each unit.)



- \$3.00 Earth Science Unit
- \$3.00 Simple Machines Unit
- \$4.00 States of Matter Packet (see bundle option)
- \$4.00 Physical and Chemical Properties of Matter Unit (see bundle option)  
History: Elements, Compounds, Mixtures; Organization of the Periodic Table; Molecular vs. Structural Formulas; Describing Matter: Physical and Chemical Properties; Density Calculations; Mass/Volume; Mixtures: Solutions, Colloids and Suspensions.
- \$6.00 BUNDLE OPTION: States of Matter Packet and Properties of Matter Packet
- \$3.00 A Study of Cells Unit
- \$2.00 Human Body Systems
- \$4.00 Skeleton Worksheet Packet
- \$4.00 Digestive System
- \$3.75 Circulatory System Unit
- \$2.00 Animal Unit
- \$2.00 World Animal Cards

**History Units:**  
(Scroll down below for larger images and descriptions of each unit.)

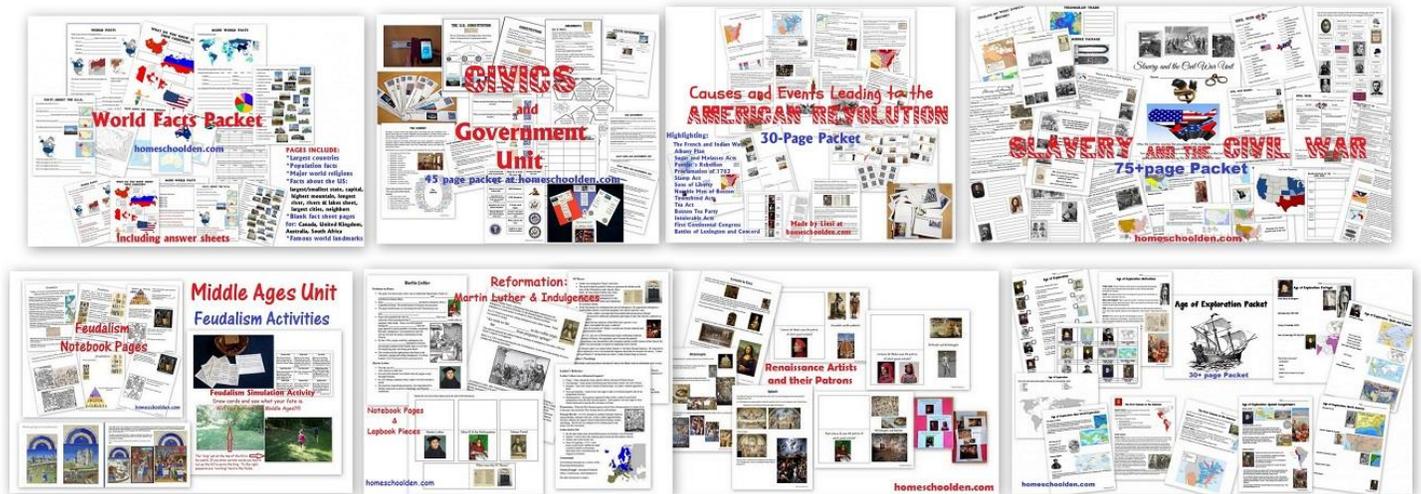


- \$3.00 World Facts Packet – Do your kids know the 4 largest countries? Which countries have the most people? The longest river? This packet covers basic world and U.S. Facts. We often start out the semester with a review of this material. 🌍
- \$4.00 Civics and Government Packet
- \$2.00 Feudalism Packet
- \$3.00 Age of Exploration Packet
- Coming Soon: Renaissance and Reformation Packet
- \$4.00 Causes of the American Revolution Packet (and American Revolution play)
- \$4.00 Slavery and the Civil War (75 pages – slavery, U.S. territorial expansion, the Civil War)

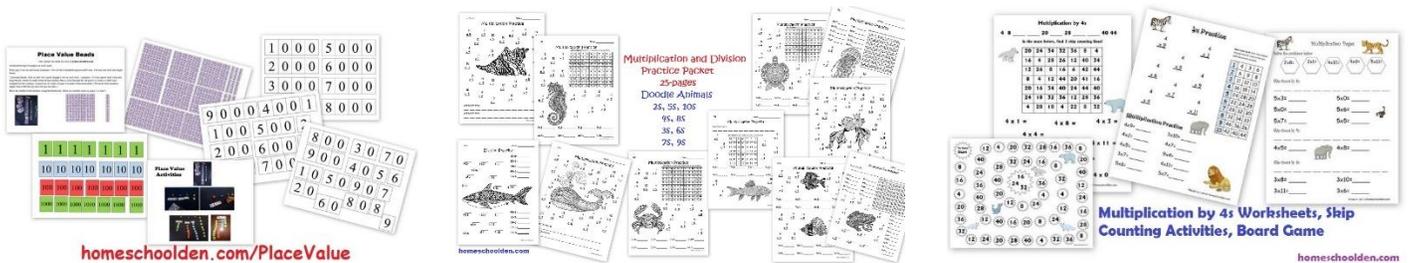
[View Cart](#)

**Science:** We ♥ love ♥ hands on activities. We have packets on Earth Space Science, Simple Machines, the States of Matter, Electricity and Circuits STEM unit, Cells Unit, Human Body Systems, the Digestive System, the Ocean, World Animals, Animal Characteristics, Dinosaurs and more!!

# History



**Math** - Including place value, addition & subtraction packets and our 175+ page bundle of multiplication packets with games, skip counting activities, multiplication fact worksheets and more (12 pdfs!)



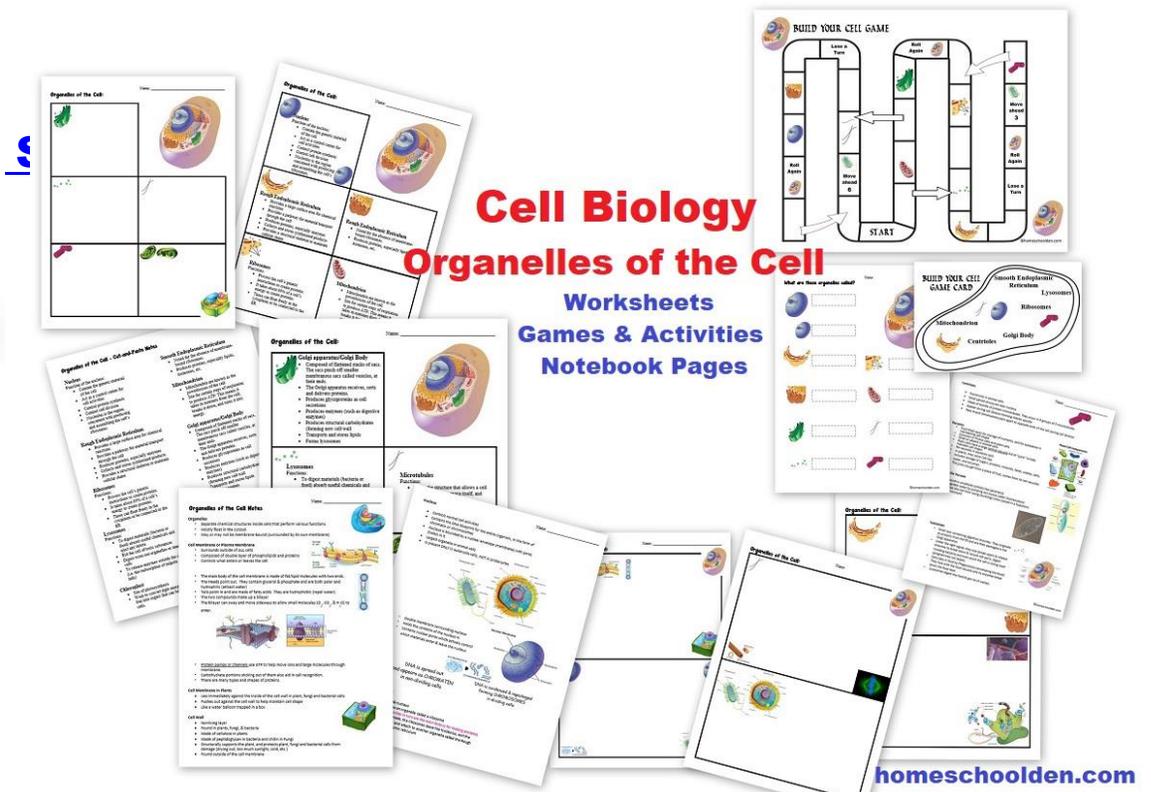
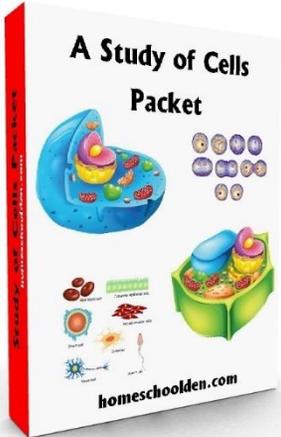
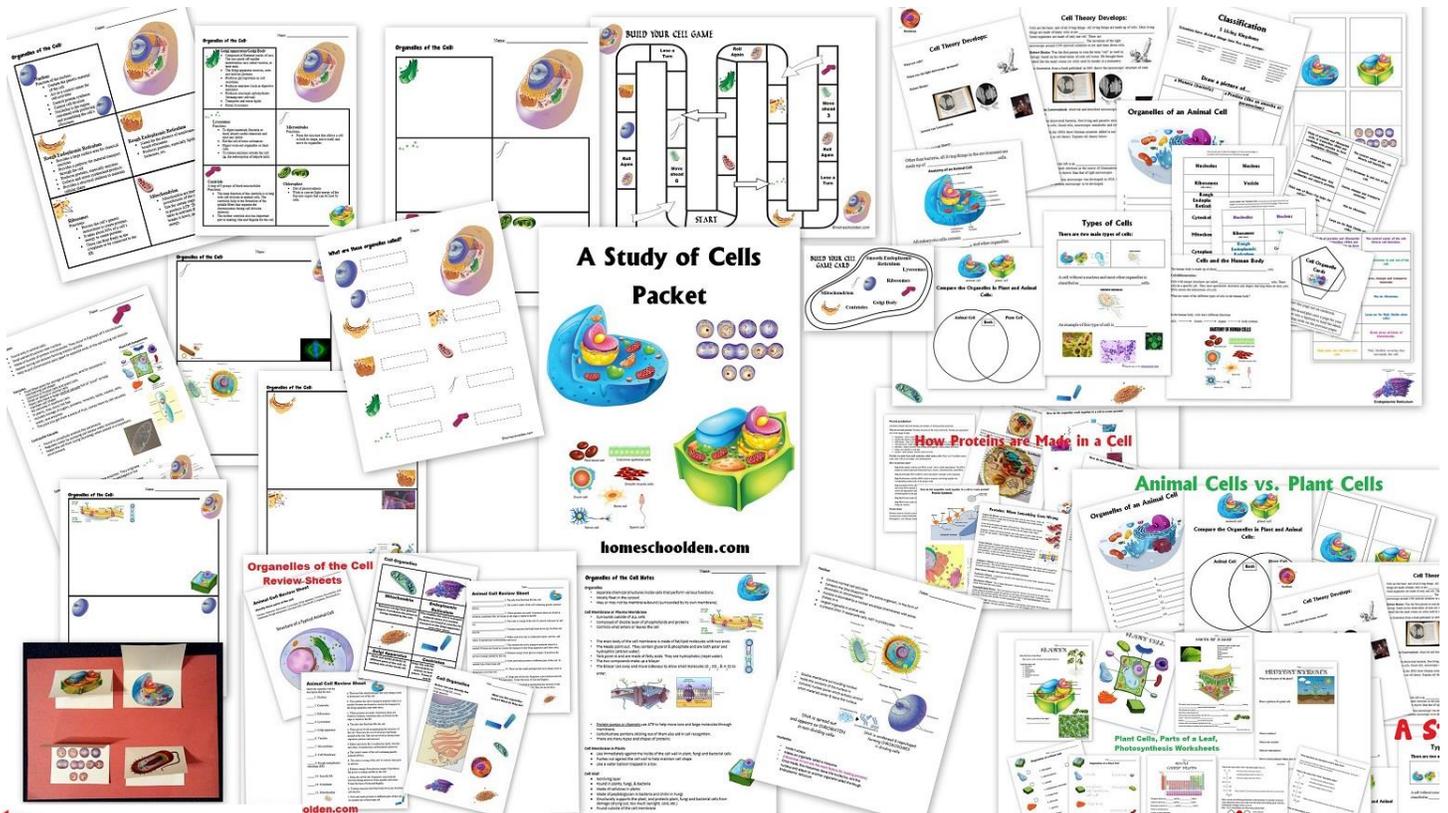
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# Spelling





# A Study of Cells (70 pages)



# Human Body Systems

## Human Body System Worksheets

The collage includes several worksheets:

- Body Systems and Organs**: A grid of 10 diagrams showing different body systems: skeletal, urinary, muscular, endocrine, digestive, reproductive, respiratory, nervous, circulatory, and immune.
- Organs and their Systems**: Two tables listing organs and their associated systems.
 

Organ	Respiratory System	Circulatory System	Excretory System	Reproductive System	Nervous System	Muscular System	Skeletal System
Heart		X					
Brain					X		
Lungs	X						
Stomach			X	X			
Small Intestine			X	X			
Large Intestine			X	X			
Bladder			X	X			
Uterus				X			
Vagina				X			
Testis				X			
Penis				X			
Eye					X		
Ear					X		
Nose					X		
Mouth					X		
Throat					X		
Trachea					X		
Diaphragm					X		
Esophagus					X		
Stomach					X		
Small Intestine					X		
Large Intestine					X		
Rectum					X		
Anal					X		
Uterus					X		
Vagina					X		
Testis					X		
Penis					X		
Eye					X		
Ear					X		
Nose					X		
Mouth					X		
Throat					X		
Trachea					X		
Diaphragm					X		
Esophagus					X		
Stomach					X		
Small Intestine					X		
Large Intestine					X		
Rectum					X		
Anal					X		
- Integumentary System**: A worksheet with a diagram of skin and text explaining its layers and functions.
- Body Systems and Organs**: Multiple worksheets with lists of systems and organs, such as:
  - 1. endocrine system
  - 2. nervous system
  - 3. circulatory system
  - 4. urinary system
  - 5. skeletal system
  - 6. respiratory system
  - 7. digestive system
  - 8. immune system
  - 9. reproductive system
  - 10. muscular system

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## Digestive System Packet

The collage includes several worksheets:

- THE DIGESTIVE SYSTEM:** Worksheets with diagrams of the human digestive tract and lists of organs to label (mouth, esophagus, stomach, small intestine, large intestine, rectum, anus, gall bladder, pancreas).
- Digestive Function**: A worksheet listing the functions of various parts of the digestive system:
  - Mouth**: First of the 11-foot roller is absorbed in this section.
  - Esophagus**: Muscles and acids help to the small intestine, stores nutrients, prevents germs from going to the rest of the body, plus many other functions.
  - Stomach**: The tube that connects the mouth to the stomach. Smooth muscles that line the tube contract and relax in such a way that food is moved along.
  - Small Intestine**: Stores bile until it is needed.
  - Large Intestine**: The final portion of the large intestine.
  - Colon**: Cleans the food and adds water, breaking food into smaller pieces.
  - Rectum**: Produces important enzymes such as insulin. Secretes digestive enzymes that assist in the absorption of nutrients to the small intestine.
  - Blow**: Muscles in the wall squeeze the food around to mix it. Food breakdown continues.
  - Gall Bladder**: Stores enzymes and food nutrients are absorbed and passed along into the blood.
  - Pancreas**: ...
- Digestive Tract**: A worksheet with a diagram and text:
  - Mouth = 9 inches
  - Esophagus = 10 inches
  - Stomach = 8 inches
  - Small Intestine = 20 feet
  - Large Intestine = 5 feet
  - Rectum = 5 inches
- Human Liver Anatomy**: A worksheet with a diagram of the liver and text describing its location and function.
- Lapbook Pieces**: Several small diagrams and text pieces related to the digestive system, including a diagram of the stomach and a diagram of the liver.

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# World Facts Packet – Landform & Geographic Features, World Landmarks and More!

**WORLD FACTS**

What is the current world population?  
 The U.S.A. is the \_\_\_\_\_ largest country in the world.  
 First is \_\_\_\_\_  
 Second is \_\_\_\_\_  
 Third is \_\_\_\_\_  
 Fourth is \_\_\_\_\_

The three countries with the most people are:  
 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

What are the three largest in the world?  
 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Life expectancy is highest in \_\_\_\_\_ (89.37 years) in Europe  
 \_\_\_\_\_ (84.48 years) in Asia off \_\_\_\_\_  
 \_\_\_\_\_ (84.46 years) in Asia

**FACTS ABOUT THE U.S.A.**

The smallest state in the U.S.A. is \_\_\_\_\_  
 \_\_\_\_\_ is about half the size of the largest state.

The largest state is \_\_\_\_\_  
 \_\_\_\_\_ is \_\_\_\_\_ years, is the \_\_\_\_\_ largest.

Which state has the most people?  
 \_\_\_\_\_

The highest point in the United States is \_\_\_\_\_

What is the capital of the U.S.A?  
 What is the longest river in the U.S.A.?  
 The U.S.'s neighbor to the north is \_\_\_\_\_  
 The U.S.'s neighbor to the south is \_\_\_\_\_

**WHAT DO YOU KNOW ABOUT THESE COUNTRIES?**

**FACTS ABOUT THE UNITED KINGDOM**

**FACTS ABOUT AUSTRALIA**

**FACTS ABOUT SOUTH AFRICA**

**MORE WORLD FACTS**

World Population Map

When did the population of the world reach...  
 Arrange the following in order: 1987 1927 1934 1999 1974  
 1 billion \_\_\_\_\_ 4 billion \_\_\_\_\_  
 2 billion \_\_\_\_\_ 5 billion \_\_\_\_\_  
 3 billion \_\_\_\_\_ 6 billion \_\_\_\_\_

According to the Pew Research Center, what are the top world religions?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Can you identify these famous World Landmarks?  
 1. Eiffel tower  
 2. Pyramids of Giza  
 3. Leaning Tower of Pisa  
 4. St. Basil's Cathedral  
 5. Angkor Wat  
 6. Statue of Liberty  
 7. Dome of the Rock  
 8. Big Ben  
 9. Temple of the Emerald Buddha  
 10. Machu Picchu  
 11. Sydney Opera House  
 12. Parthenon  
 13. Colosseum  
 14. Taj Mahal  
 15. Christ the Redeemer  
 16. Hagia Sophia  
 17. Christ the King  
 18. Christ the Redeemer  
 19. Christ the Redeemer  
 20. Christ the Redeemer  
 21. Christ the Redeemer  
 22. Christ the Redeemer

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- PAGES INCLUDE:**
- \* Largest countries
  - \* Population facts
  - \* Major world religions
  - \* Facts about the US: largest/smallest state, capital, highest mountain, longest river, rivers & lakes sheet, largest cities, neighbors
  - \* Blank fact sheet pages for: Canada, United Kingdom, Australia, South Africa
  - \* Famous world landmarks

**including answer sheets**

**Landform Activities**

**Geography Terms and Landforms**

1. island  
 2. well  
 3. delta  
 4. peninsula  
 5. gulf  
 6. plain  
 7. canyon  
 8. cape  
 9. bay  
 10. sound  
 11. sea  
 12. channel  
 13. fjord  
 14. isthmus

**Deserts of the World**

Karoo-karoo Gobi Sahara Arabian Thar Great Basin Atacama Patagonia  
 Namib Chihuahuan Kyryl-suzan Amecan Taklimakan Mohave Kalbari Sonoran

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# Chemistry Packet



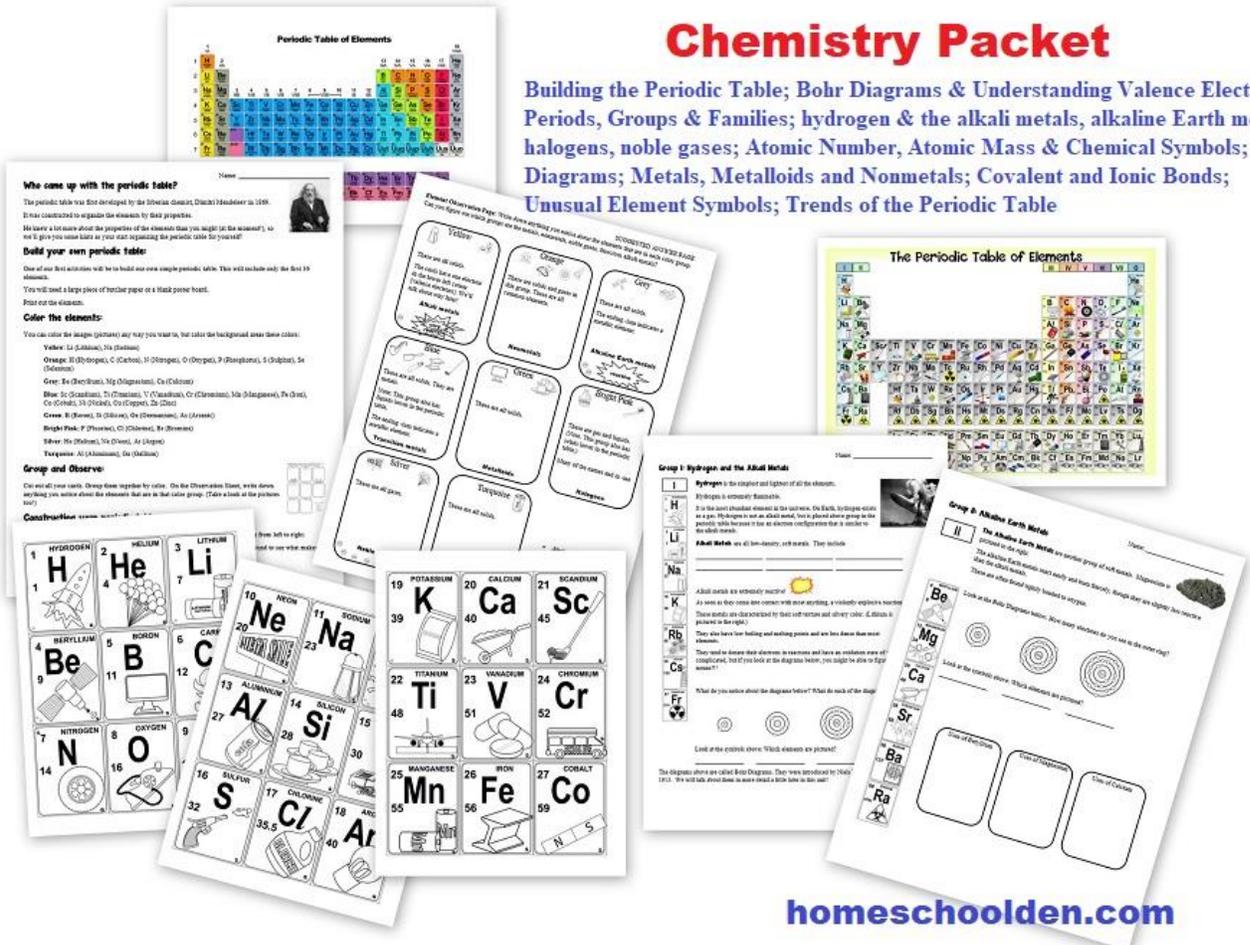
## 75+ page Chemistry Packet

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## Chemistry Packet

Building the Periodic Table; Bohr Diagrams & Understanding Valence Electrons; Periods, Groups & Families; hydrogen & the alkali metals, alkaline Earth metals, halogens, noble gases; Atomic Number, Atomic Mass & Chemical Symbols; Lewis Diagrams; Metals, Metalloids and Nonmetals; Covalent and Ionic Bonds; Unusual Element Symbols; Trends of the Periodic Table



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# Chemistry Packet

## Elements and the Periodic Table

### Groups, Bohr Diagrams, Electron Configuration

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Plus, many others science packets as well as various history packets from the Age of Exploration to the Middle Ages, Renaissance/Reformation, Oregon Trail and more!

# Age of Exploration Packet

## 30+ page Packet

[homeschoolden.com](http://homeschoolden.com)

