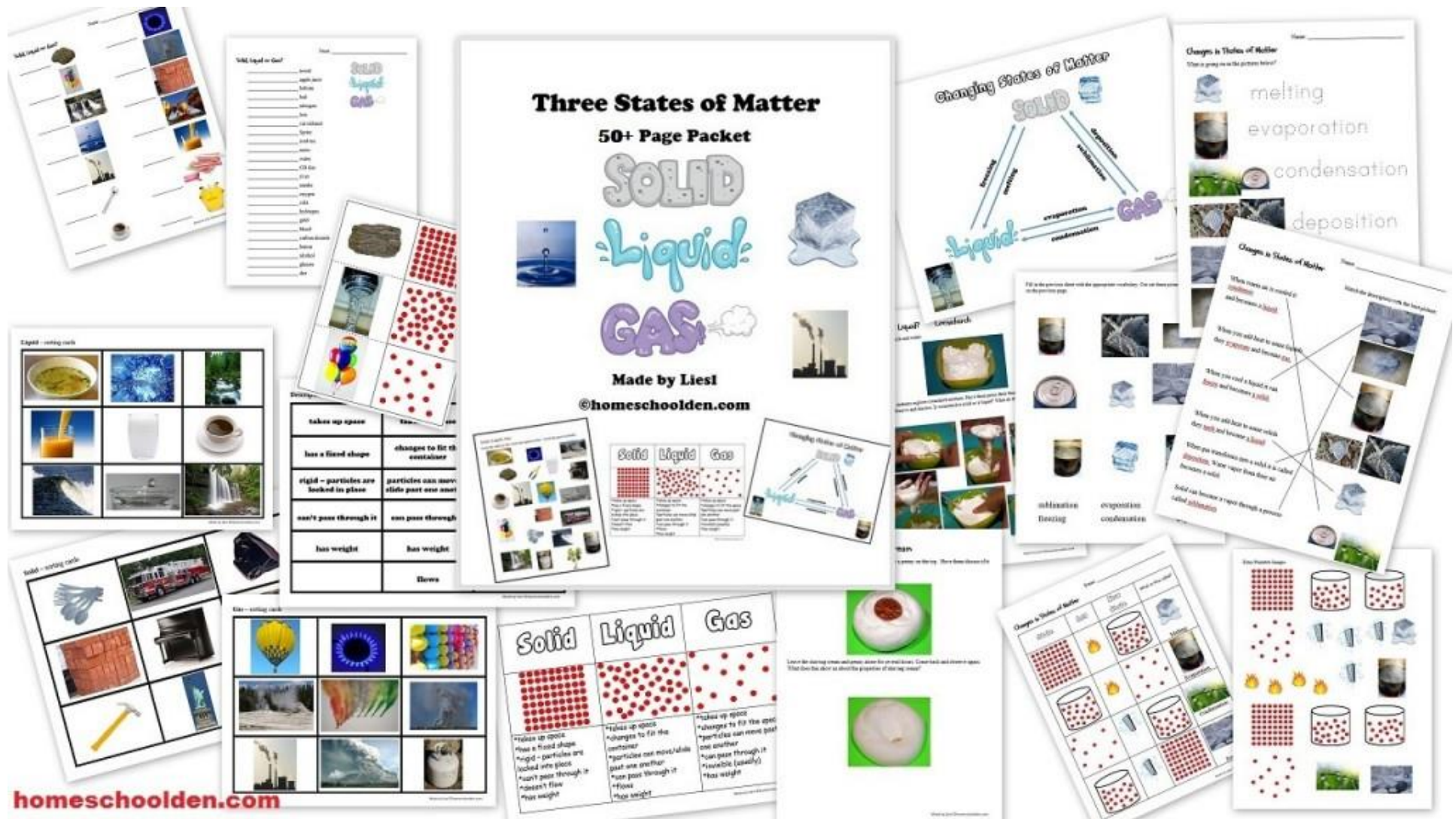


States of Matter Packet

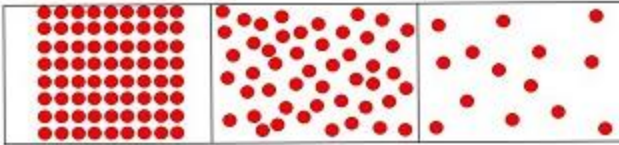
50+ page packet on the three states of matter – solids, liquids, gases and changing states of matter. We talked quite a bit about the characteristics of solids, liquids and gases. We also went into a lot of detail on the changing states of matter covering those six changes (melting, freezing, evaporation, condensation, sublimation, deposition). In this packet there are various notebook pages, worksheets, lapbook (interactive notebook) pieces, sorting cards, cut-and-paste activities and more! I included the hands-on activities that helped this unit come alive!



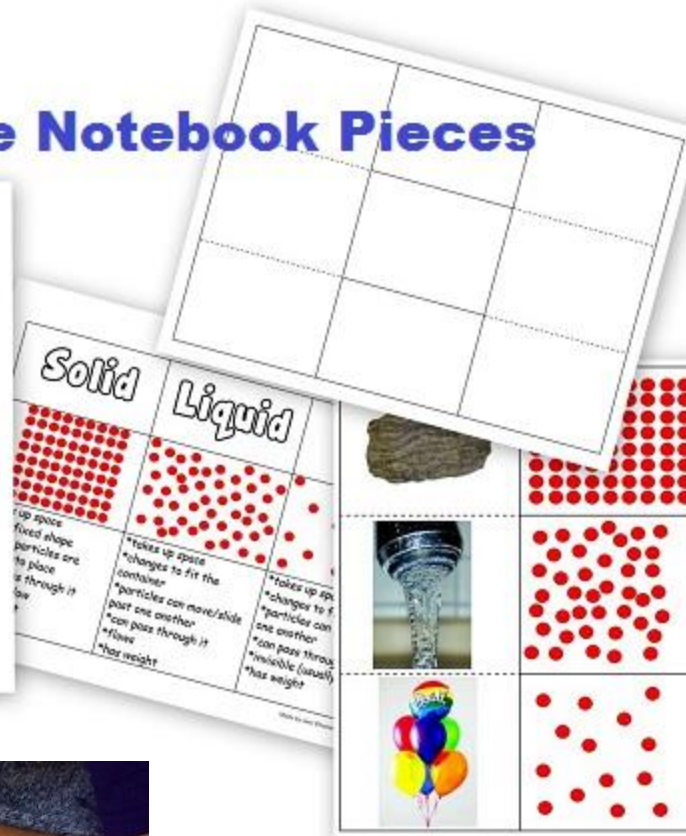
Lapbook/Interactive Notebook Pieces



Use the template on the following page to have your student's make their own States of Matter foldable.
Cut around the outside and cut along the dotted lines.



You can print about the information on page 5 if your kids do not want to write/draw their own information.



Solid, Liquid, Gas?

Circle the solids in red. Circle the liquids in blue. Circle the gases in purple.

Solid - sorting cards

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Liquid - sorting cards

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Gas - sorting cards

| | | |
|--|--|--|
| | | |
| | | |
| | | |

Descriptions - sorting cards

| | | |
|---------------------------------------|--|-------------------------------------|
| takes up space | takes up space | takes up space |
| has a fixed shape | changes to fit the container | changes to fit the space |
| rigid - particles are locked in place | particles can move or slide past one another | particles can move past one another |
| can't pass through it | can pass through it | can pass through it |
| has weight | has weight | has weight |
| | flows | invisible (usually) |

Worksheets

Montessori Sorting Activity

homeschoolden.com

Descriptions - sorting cards

| | | |
|---------------------------------------|-------------------------------------|-------------------------------------|
| takes up space | takes up space | takes up space |
| has a fixed shape | changes to fit the container | changes to fit the space |
| rigid - particles are locked in place | particles can move past one another | particles can move past one another |
| | can pass through it | can pass through it |
| | has weight | |
| | invisible (usually) | |

SOLID **Liquid** **GAS**

Different Properties of the 3 States of Matter

homeschoolden.com

What is in our air?

On the inside of nitrogen (78%), oxygen (about 21%), argon (about 1%) and CO₂ (about 0.04%). In the space below create a bar graph and/or pie chart showing what is in our air.

GAS

N 14.01
O 16.00
Ar 39.95
CO₂ 44.01

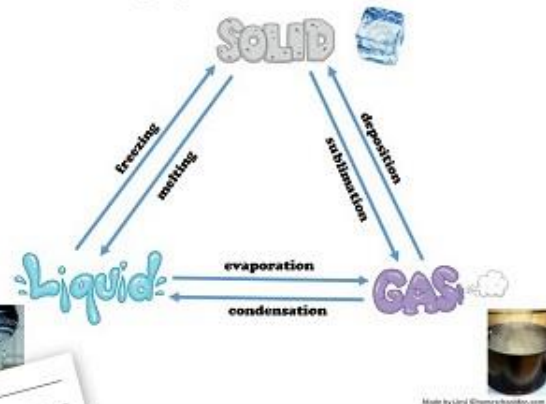
homeschoolden.com



What is in our air?

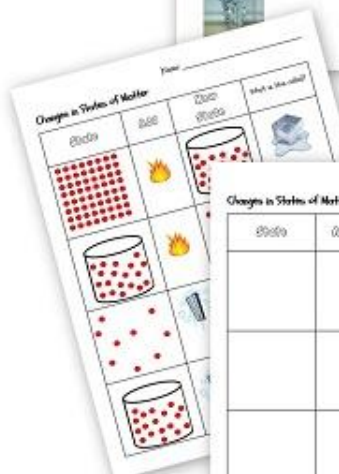
Graphing Activity

Changing States of Matter



Changing States of Matter

Solid Liquid Gas



Changes in States of Matter

| State | Add | Remove | What is the result? |
|-------|-----|--------|---------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |





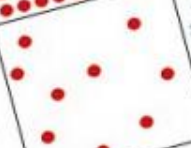





worksheets & notebook pages

homeschoolden.com

Changes in States of Matter

Name: _____

| State | Add | New State | What is this called? |
|---|---|---|--|
|  |  |  |  Sublimation |
|  |  |  |  deposition |

Very cold and cold surfaces below freezing

Changes in States of Matter

SOLID

LIQUID

GAS

freezing, melting, evaporation, condensation, sublimation, deposition

Changing States of Matter

Changes in States of Matter

SOLID













LIQUID

GAS

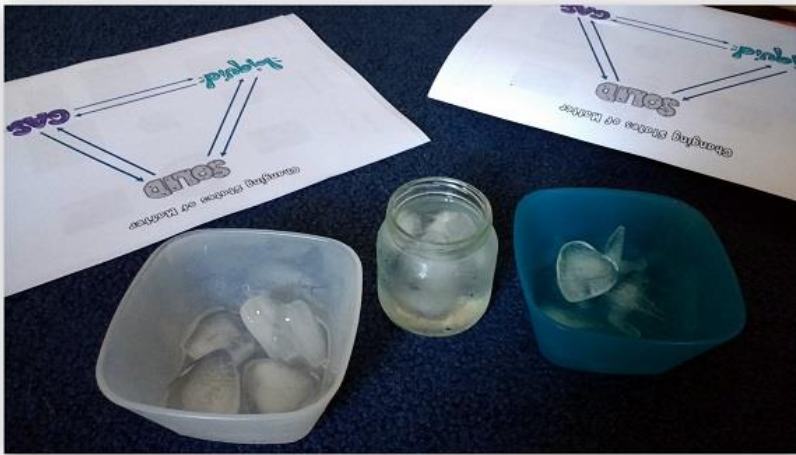
freezing, melting, evaporation, condensation, sublimation, deposition

Changes in States of Matter

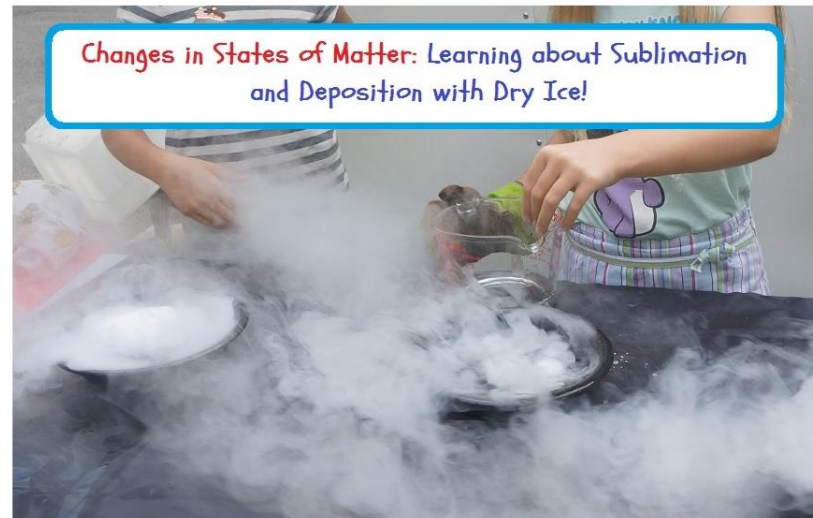
Name: _____

| State | Add | New State | What is this called? |
|---|---|---|---|
|  |  |  |  Melting |
|  |  |  |  Evaporation |
|  |  |  |  Condensation |

Freeze, Melt, Boil, Condense, Sublime, Deposit



Changing States of Matter

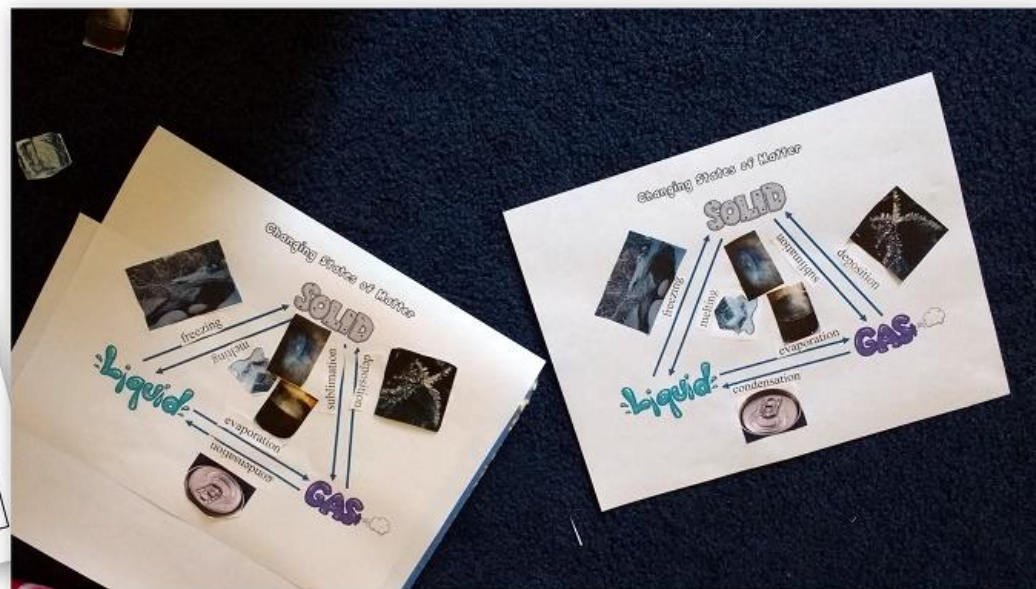


Changes in States of Matter

Name: _____

| State | Add | New State | What is this called? |
|-------|-----|-----------|----------------------|
| | | | Sublimation |
| | | | deposition |

Very cold and cold surfaces below freezing



Changing States of Matter

Changes in States of Matter

State

Add

New State

What is this called?

Melting

Evaporation

Condensation

Freezing

Sublimation

Deposition

Extra Possible Images

States of Matter

Changing States of Matter

50+ page Packet

Three States of Matter

50+ Page Packet



Solid
Liquid
Gas

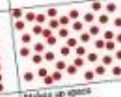
Made by Liesl

homeschool den.com

Solid

Liquid

Gas



*takes up space
*has a fixed shape
*particles are locked into place
*can't pass through it
*has weight

*takes up space
*changes to fit the container
*particles can move/slide past one another
*can pass through it
*flows
*has weight

*takes up space
*changes to fill the space
*particles can move past one another
*can pass through it
*invisible (usually)
*has weight

Changing States of Matter



Changes in States of Matter

What is going on in the pictures below?



melting

evaporation

condensation

deposition



deposition

evaporation

condensation

melting

freezing

sublimation

deposition

evaporation

condensation

melting

freezing

sublimation

deposition

evaporation

condensation

melting

freezing

sublimation

deposition

evaporation

condensation

melting

freezing

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