

Each atom has a certain number of chemical _____ to help attach to other atoms:

Hydrogen (H) has _____ bond

Chlorine (Cl) has _____ bond

Sodium (Na) has _____ bond

Oxygen (O) has _____ bonds

Magnesium (Mg) has _____ bonds

Nitrogen (N) has _____ bonds

Carbon (C) has _____ bonds

H - 1 bond

Cl - 1 bond

Na - 1 bond

O - 2 bonds

Mg - 2 bonds

N - 3 bonds

C - 4 bonds

Build water: H_2O

Build hydrogen peroxide: H_2O_2

Build carbon dioxide: CO_2

Build chlorine: Cl_2

Build ammonia: NH_3

Build acetylene gas (used for blow torches): C_2H_2

Build methane gas: CH_4

Build ethylene gas (which ripens fruit): C_2H_4

Build methanol (wood alcohol):
 CH_3OH

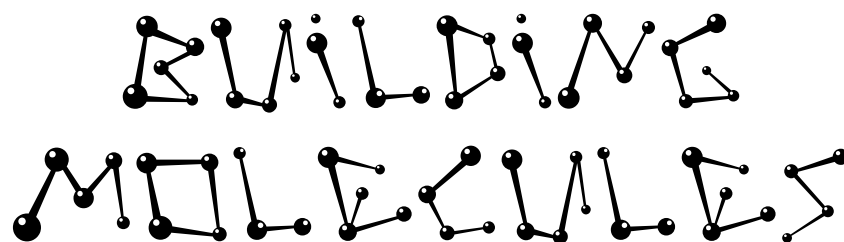
Build propane gas (for grilling food): C_3H_8

Build nitrous oxide (laughing gas): N_2O

Build hydrogen cyanide: HCN

Build Vinegar: CH_3COOH

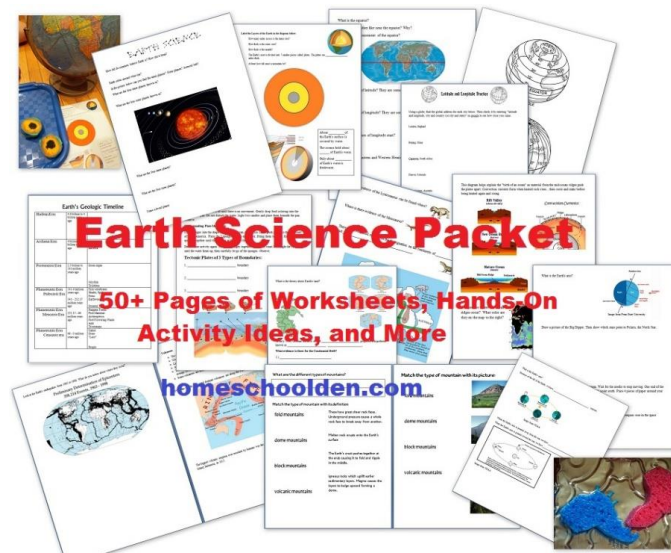
Build Glycerol: $\text{C}_3\text{H}_5(\text{OH})_3$



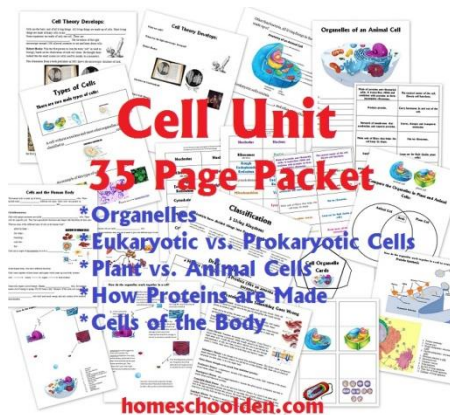
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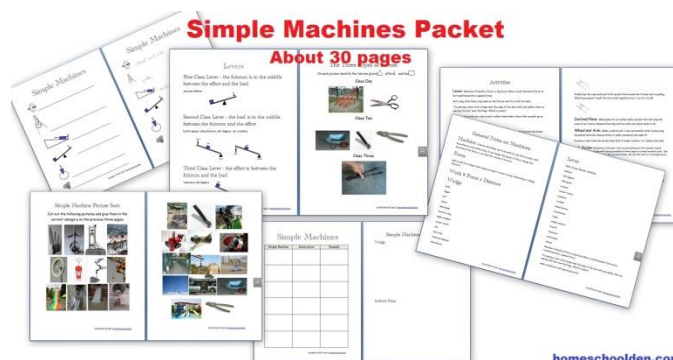
[Earth Science Packet:](#) Plate Movement, Earthquakes Volcanoes and more!



[A Study of Cells Packet](#)

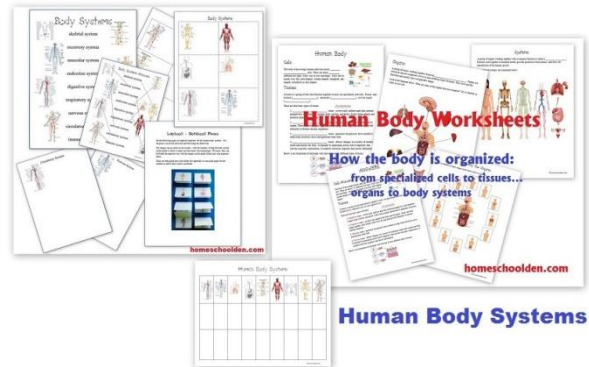


[Simple Machines Packet](#)

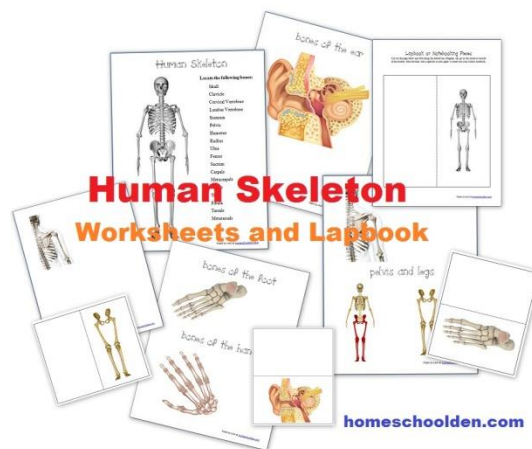


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Human Body Systems



Skeleton Lapbook and Notebook Pages

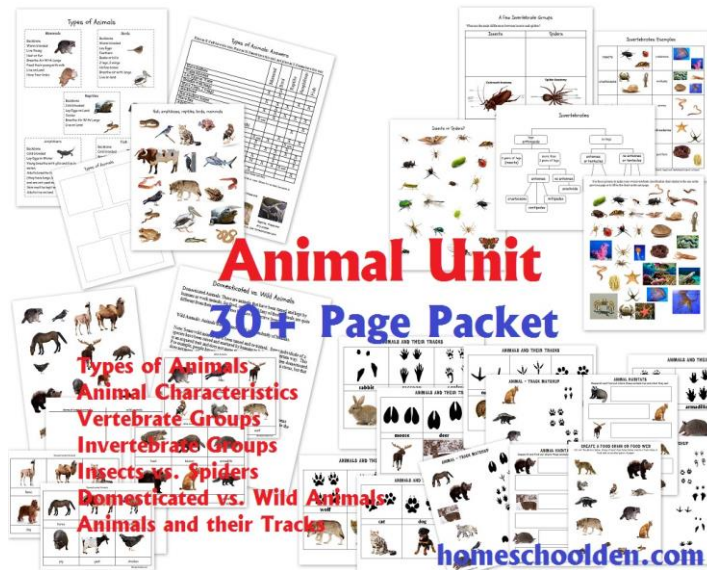


Digestive System Pack

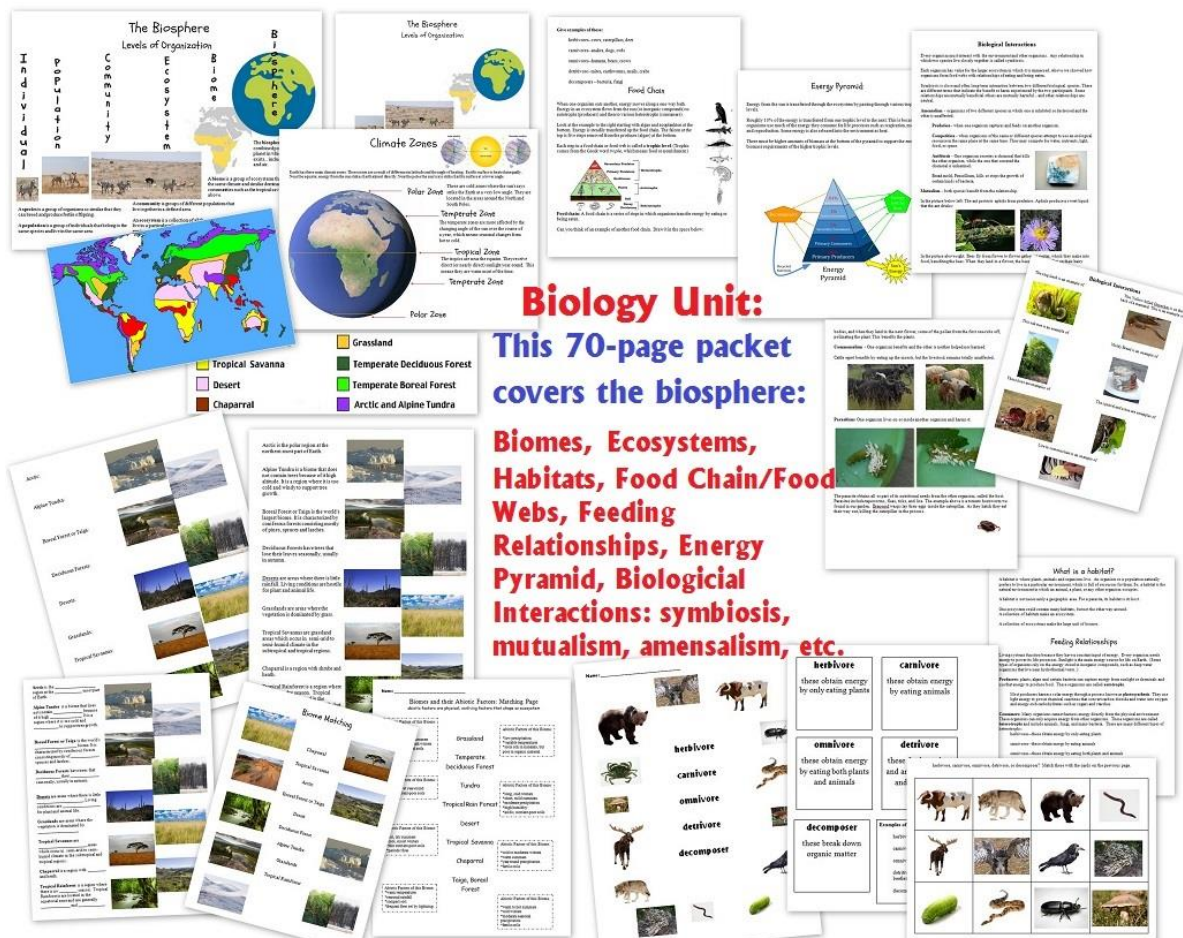


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Animal Packet: (5 vertebrate groups, characteristics of animals, invertebrate animal groups, animal track activities, domesticated vs. wild animals



Biology Unit: Biomes, Ecosystems, Habitats, Feeding Relationships, Biological Interactions





Biome Worksheets and Picture Cards



8 x 11 Printable Photos of the 9 Biomes
(or print 4-per-page for smaller cards)

**Part of our 70-page
Biology Packet**

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Civics and Government Packet:



American Revolution Packet (A Study of the causes of and events leading to the American Revolution such as the French & Indian War, Sugar & Molasses Acts, Stamp Act, Boston Massacre, Townshend Acts, Boston Tea Party, Lexington & Concord and more)

Causes and Events Leading to the AMERICAN REVOLUTION

Highlighting:

- The French and Indian War
- Albany Plan
- Sugar and Molasses Acts
- Pontiac's Rebellion
- Proclamation of 1763
- Stamp Act
- Sons of Liberty
- Notable Men of Boston
- Townshend Acts
- Tea Act
- Boston Tea Party
- Intolerable Acts
- First Continental Congress
- Battles of Lexington and Concord

30-Page Packet

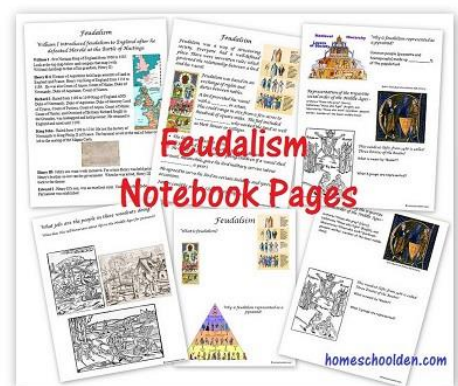
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World Facts Packet:

- *Largest countries
- *Population facts
- *Major world religions
- *Facts about the World: longest river, largest desert, wettest and driest places on Earth, tallest mountain, deepest spot in the ocean, etc.
- *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



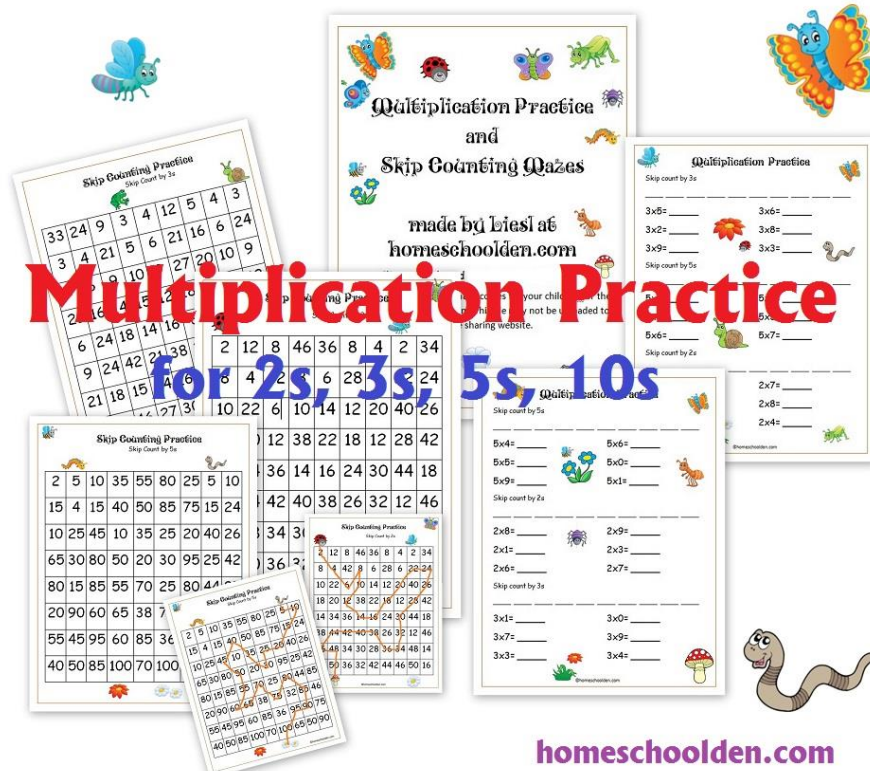
Feudalism, Medieval Art



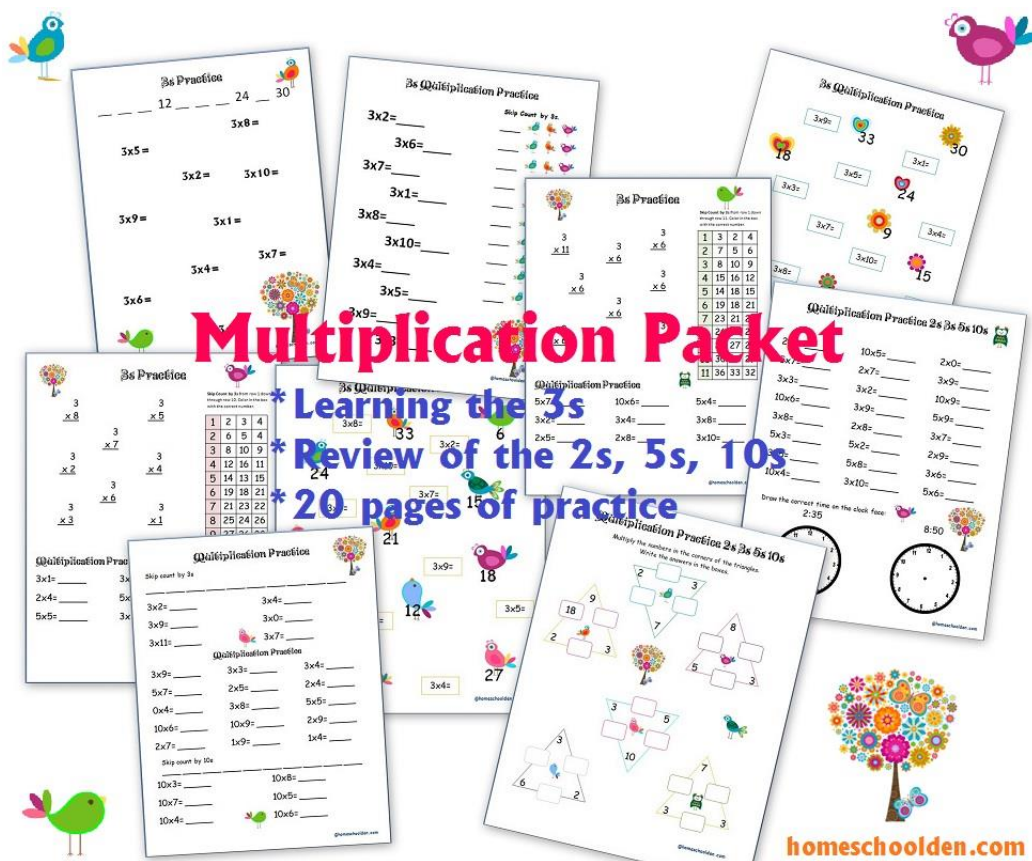
Middle Ages Unit Feudalism Activities



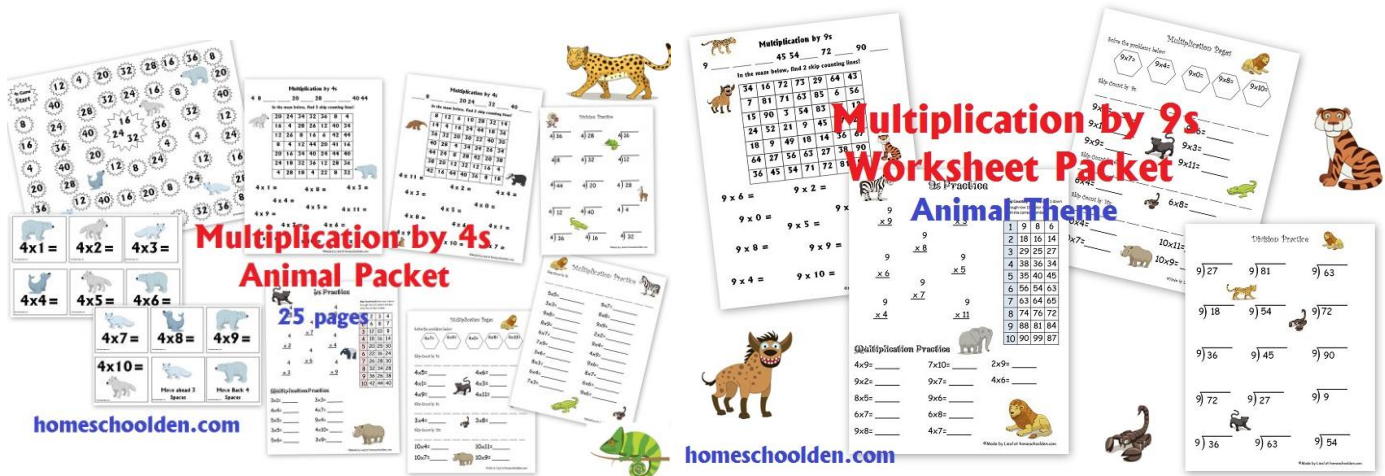
Bugs, Butterfly and Flowers Theme: 2s, 3s, 5s, and 10s.



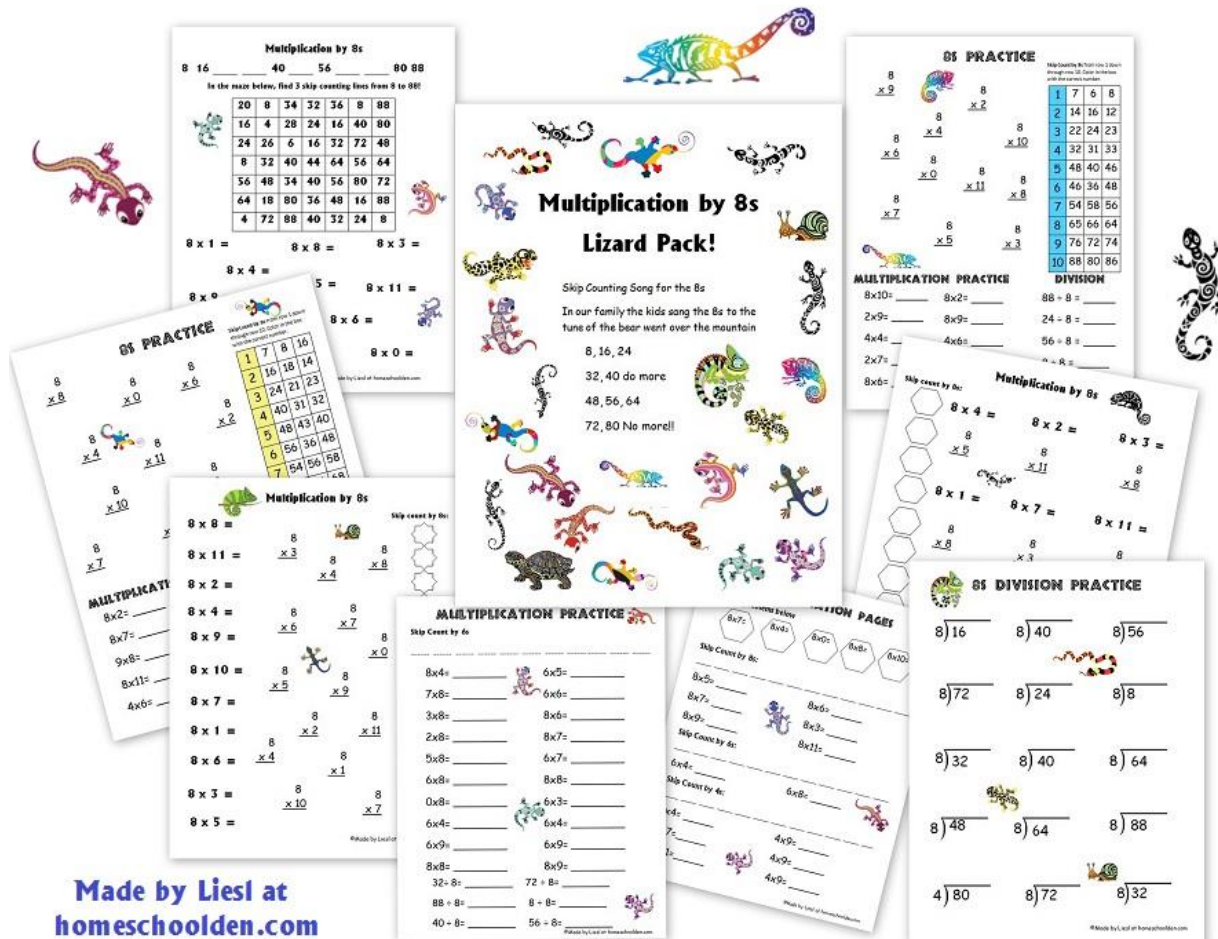
Multiplication Packet: Learn the 3s, Practice the 2s, 5s, 10s



Multiplication by 4s and 9s Packets



Multiplication by 8s Packet: 25 pages of worksheets, Lizard Races for the 4s, 6s, 7s, 8s and 9s



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