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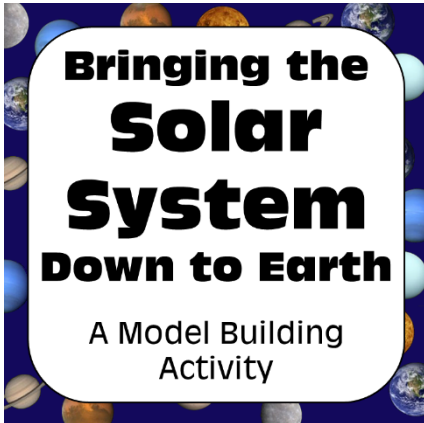
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Designed to accompany the following activities:



Scaled Down Model of Our Solar System

Bring the Solar System down to Earth with this activity that scales down the size of the sun and planets as well as the distances between them. An excellent group activity!

<https://www.teacherspayteachers.com/Product/Solar-System-Project-Scaled-Down-Model-of-Our-Solar-System-669046>



Phases of the Moon

Help your students quickly and easily understand why we see the phases of the Moon as we do:

<https://www.teacherspayteachers.com/Product/Moon-Phases-Phases-of-the-Moon-Worksheet-690905>

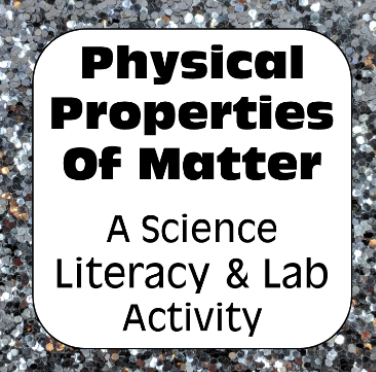

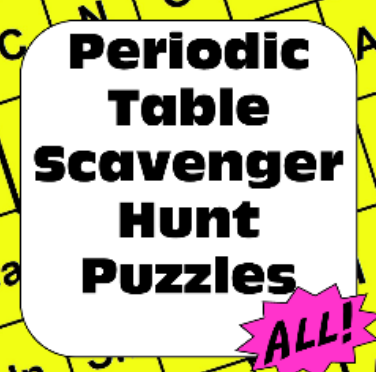

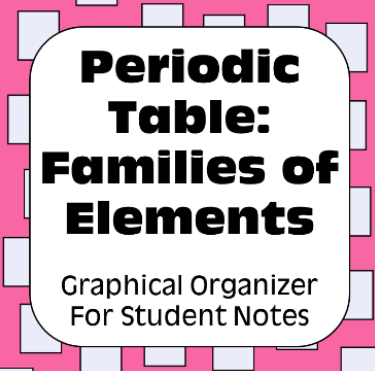
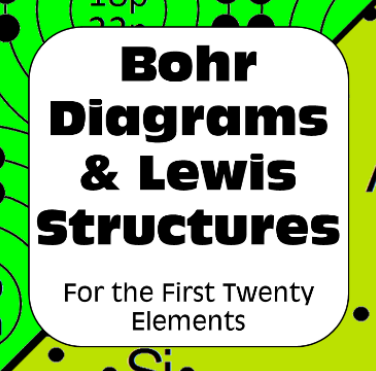

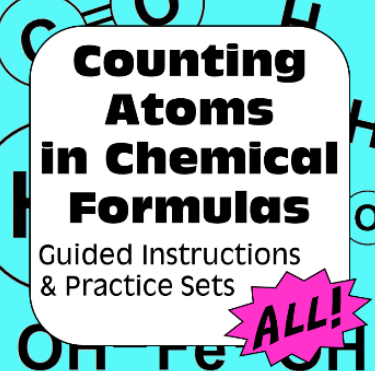
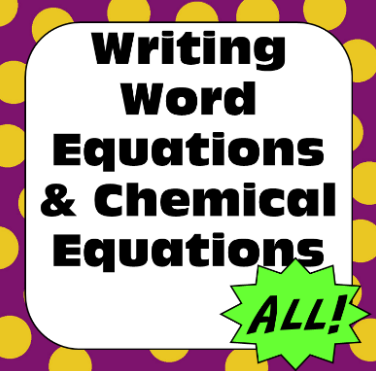
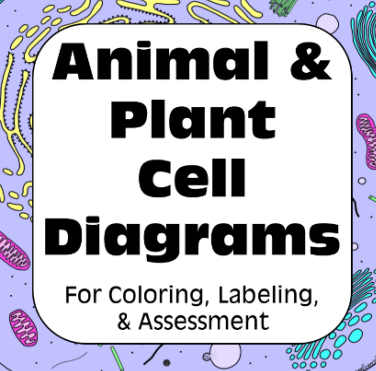
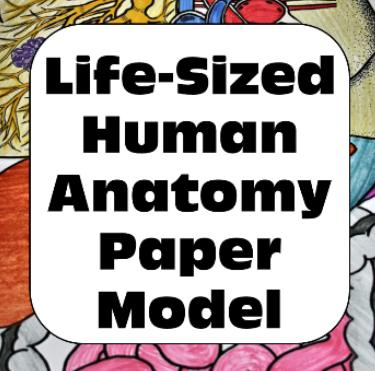



Layers of the Atmosphere: Build a Scaled-Down Model of Earth's Atmosphere

Build an 8-foot-tall (2.4m), scaled-down model of our atmosphere and discover cool information about our atmosphere at the same time!

<https://www.teacherspayteachers.com/Product/Layers-of-the-Atmosphere-Build-a-Scaled-Down-Model-of-Earths-Atmosphere-3305357>

Supplementary activities / assessments:

 <p>Physical Properties Of Matter A Science Literacy & Lab Activity</p>	 <p>Physical & Chemical Changes Sorting Activity</p>	 <p>Periodic Table Scavenger Hunt Puzzles ALL!</p>
<p>Words to Describe & Who Am I Lab https://www.teacherspayteachers.com/Product/Physical-Properties-of-Matter-Words-That-May-Be-Used-to-Describe-Who-Am-I-Lab-3553158</p>	<p>Collaborative Card Sort Activity https://www.teacherspayteachers.com/Product/Physical-and-Chemical-Changes-Properties-of-Matter-Sorting-Activity-2049400</p>	<p>Discovery Puzzles: Complete Bundle https://www.teacherspayteachers.com/Product/Periodic-Table-of-Elements-Scavenger-Hunt-Activities-Complete-Bundle-1776222</p>
 <p>THE ULTIMATE Classification of Matter Card Sort</p>	 <p>Periodic Table: Families of Elements Graphical Organizer For Student Notes</p>	 <p>Bohr Diagrams & Lewis Structures For the First Twenty Elements</p>
<p>Classification of Matter Card Sort https://www.teacherspayteachers.com/Product/Classification-of-Matter-Ultimate-Card-Sort-for-Elements-Compounds-Mixtures-4386908</p>	<p>Periodic Table Families of Elements https://www.teacherspayteachers.com/Product/Periodic-Table-of-Elements-Families-of-Elements-668380</p>	<p>Bohr Diagrams & Lewis Structures https://www.teacherspayteachers.com/Product/Atomic-Structure-Bohr-Models-Lewis-Structures-for-the-First-Twenty-Elements-3998294</p>
 <p>The Carbon Cycle A Roll Your Own Adventure Activity!</p>	 <p>Counting Atoms in Chemical Formulas Guided Instructions & Practice Sets ALL!</p>	 <p>Writing Word Equations & Chemical Equations ALL!</p>
<p>Journey Through the Carbon Cycle https://www.teacherspayteachers.com/Product/Journey-through-the-Carbon-Cycle-A-Roll-Your-Own-Adventure-Activity-2519606</p>	<p>Guided Learning & Practice Sets https://www.teacherspayteachers.com/Product/Counting-Atoms-in-Chemical-Formulas-Guided-Instruction-4-Practice-Sets-3946024</p>	<p>Chemical Reaction Equations https://www.teacherspayteachers.com/Product/Chemical-Reactions-in-Changes-Writing-Word-Equations-Chemical-Equations-ALL-2873203</p>
 <p>Animal & Plant Cell Diagrams For Coloring, Labeling, & Assessment</p>	 <p>Life-Sized Human Anatomy Paper Model</p>	 <p>Human Anatomy & Physiology Diagrams For coloring, labeling, review, assessment, & evaluation.</p>
<p>Plant & Animal Cell Diagrams https://www.teacherspayteachers.com/Product/Plant-and-Animal-Cells-Animal-Cell-Plant-Cell-Diagrams-for-Matching-Labeling-3981661</p>	<p>Human Body Systems Model https://www.teacherspayteachers.com/Product/Human-Body-Systems-Life-Sized-Human-Anatomy-Paper-Model-Personal-Use-Only-3112600</p>	<p>Anatomy & Physiology Diagrams https://www.teacherspayteachers.com/Product/Anatomy-Physiology-Human-Body-Systems-Diagrams-for-High-School-Biology-4018486</p>

Totally Tourist Tour of Our Solar System

Attention all space travelers!

Welcome aboard Spaceship Earth. We are currently traveling at our cruising speed of 108,000 km/h.

While Spaceship Earth is relatively small, only 12,756 kilometers in diameter, it will be our only resource on this leg of our journey.

In a few minutes you will travel thousands of virtual kilometers through our planetary neighborhood. The ride will be long but, you should experience no space sickness. If you begin to feel a little queasy, just turn your eyes away from the ship's projection screen and focus on another instrument panel a few meters away.

Sit back, relax and enjoy the view! Don't forget to fill in your chart documenting your trip.

Some 'fuel' to help get you started:

1. The Nine Planets:

<http://nineplanets.org/>

2. NASA Jet Propulsion Laboratory:

<http://www.jpl.nasa.gov/solar-system/>

3. Your Age on Other Planets

An earth day is about 24 hours long, and an earth year is about 365 days long. Days and years on other planets are different. Some planets have very long days or years, and some are very short.

<http://www.exploratorium.edu/ronh/age/>

4. Your Weight on Other Planets

If you jump up, gravity pulls you back down. If you were standing on another planet and jumped up, you might be able to jump higher or, maybe not as high. The pull of gravity depends on the size of the planet.

<http://www.exploratorium.edu/ronh/weight/>

5. StarDate Online

http://stardate.org/resources/ssguide/planet_form.html

Name: _____

A Totally Tourist Tour of Our Solar System

	The Terrestrial Planets (also known as the Rocky Planets or the Inner Planets)				The Jovian Planets (also known as the Gas Giants or the Outer Planets)			
	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Origin of name								
Symbol used to represent planet								
Distance from sun (km)								
Distance from the sun (A.U.)								
Diameter of planet (km)								
Gravity (cm/s ²)								
Density (g/cm ³)								
Length of orbit (km)								
Length of 1 year on the planet (Earth days)								
Length of 1 day on the planet (Earth hours)								

	The Terrestrial Planets				The Jovian Planets			
	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Does it have an atmosphere? If so, what is it composed of?								
Temperature range (°C)								
Terrain								
Major surface features								
Does it have a ring system?								

	The Terrestrial Planets				The Jovian Planets			
	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Number of moons (to date)								
Name of the moons								
Other totally interesting information								
How long would it take to get there from Earth?								
Your age ("years") if you had been born there								
Your weight on the surface (lbs or kg)								