

NAME: _____ HOUR: _____ DATE _____

Physical and Chemical Properties Virtual Lab

http://www.glencoe.com/sites/common_assets/science/virtual_labs/E03/E03.html

Learning Target:

Describe matter based on its physical and chemical properties.

Prove understanding of the difference between physical and chemical properties by sorting matter.

Before you begin: read of the information/directions on the left side of the screen. Then answer these pre-lab questions.

1) In your own words tell me what physical property means _____

2) Draw a concept map of at least 4 physical properties that describe matter

3) In your own words tell me what chemical property means _____

4) Draw a concept map of at least 4 chemical properties that describe matter

During this Lab: Fill in the charts below:

Event	Describe matter prior to change	Describe shape change	Describe color change	Describe bubbles formed	Describe odor produced	Describe heat given off
1						
2						
3						
4						

Event	Describe size change	Describe change of state	Describe new substance formed	Describe sound produced	Describe light produced	Is it a physical or chemical change?
1						
2						
3						
4						

After you complete the lab: answer the following questions:

1) Is evaporation of water a physical or chemical change? Explain why. _____

2) List 3 clues that indicate a chemical change has taken place.

-
-
-

3) Give an example of a physical change that you encounter everyday _____

4) Give an example of a chemical change that you encounter everyday _____

5) Explain how a burning candle can be both a physical and chemical change _____

6) Draw a Venn diagram to compare and contrast physical and chemical properties of matter.