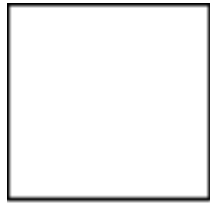


Name: _____ Period: _____

Review: Matter

Matter

1. Matter is defined as: _____
2. List the 3 states of matter: _____, _____, _____
3. Draw the particle diagrams for the three states of matter:



solid



liquid



gas

4. Which of the states of matter from question 8 is the most **compressible**? _____
5. Fill out the table below by placing the words **definite** and **indefinite** in the appropriate column:

State of Matter	Volume	Shape
Solid		
Liquid		
Gas		

6. Something that can't be broken down physically, but can be broken down chemically is called:

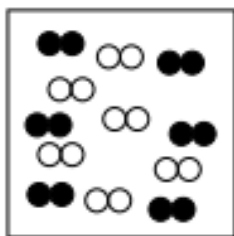
7. Fill out the table below by placing an X in the appropriate column:

Substance	Pure Substance	Mixture
Coffee		
Iron		
Carbon dioxide		
Concrete		

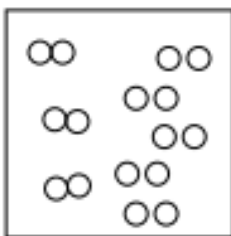
8. A popsicle melting is a _____ change.

Name: _____ Period: _____

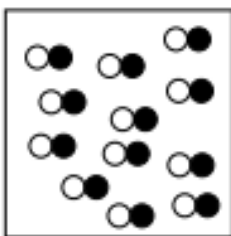
9. Label the models below as element, compound, homogeneous or heterogeneous mixture



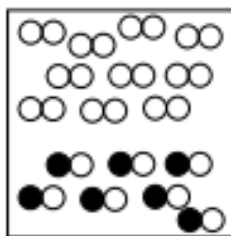
Model 1



Model 2



Model 3



Model 4

1. _____ 2. _____ 3. _____ 4. _____

10. Classify the following changes as physical or chemical and explain why:

Change	Physical or Chemical?	Why?
Digesting food		
Water evaporating		
Melting chocolate		
Burning a match		

11. Mercury metal is poured into a graduated cylinder that holds exactly 22.5 mL. The mercury used to fill the cylinder weighs 306.0 g. From this information, calculate the density of mercury. (Hint: $d = \frac{m}{v}$)

12. Find the mass of 250.0 mL of benzene. The density of benzene is 0.8786 g/mL

13. Convert 16.7 inches to feet (12 inches = 1 foot)

14. Convert 4.75 centimeters to meters (100 centimeters = 1 meter)

15. Please list which question was the hardest for you and why: _____
