

Matter Worksheet #1
Chemistry

1. List four physical properties of an iron nail.

2. In which state of matter do the following exist at room temperature and atmospheric pressure?
 - a. diamond
 - b. oxygen
 - c. cooking oil
 - d. mercury
 - e. clay
 - f. neon

3. List three substances that you have experienced in at least two physical states.

4. What is the difference between a heterogeneous mixture and a homogeneous mixture?

5. Identify each of the following samples of matter as homogeneous or heterogeneous.
 - a. spaghetti sauce
 - b. glass
 - c. table sugar
 - d. river water
 - e. cough syrup
 - f. nitrogen

6. How can you distinguish between an element and a compound?

7. Write the chemical symbols for each of the following elements.
 - a. copper
 - b. oxygen
 - c. phosphorus
 - d. silver
 - e. sodium
 - f. helium

8. Classify each of the following as a physical or a chemical change.
 - a. bending a piece of wire
 - b. burning coal
 - c. cooking a steak
 - d. cutting glass