

Name _____ Date _____



HOMOGENOUS AND HETEROGENOUS MIXTURES QUIZ –Answer key

1. Classify the following as homogenous or heterogeneous mixtures.

- a. Milk: **Homogenous**
- b. Wood: **Heterogeneous**
- c. Dirt: **Heterogeneous**
- d. Air: **Homogenous**
- e. Vinegar: **Homogenous**
- f. Soda: **Heterogeneous**
- g. Soil: **Heterogeneous**
- h. Paint: **Heterogeneous**
- i. Bronze: **Homogenous**
- j. Rubbing alcohol: **Homogenous**
- k. Kool-Aid drink: **Homogenous**
- l. Raw egg: **Heterogeneous**
- m. Baking soda: **Homogenous**
- n. Gasoline: **Homogenous**
- o. Blood: **Heterogeneous**
- p. Asphalt: **Heterogeneous**
- q. Sausage and mushroom pizza: **Heterogeneous**
- r. Lucky charms: **Heterogeneous**
- s. Freshly brewed black coffee: **Homogenous**
- t. Chicken noodle soup: **Heterogeneous**

2. Indicate whether the following states are TRUE or FALSE

- a. Heterogeneous mixtures have a uniform appearance and properties throughout. **FALSE**
- b. Homogenous mixtures are mixtures whose components are not uniformly distributed throughout the mixture. **FALSE**
- c. All heterogeneous mixtures must contain three or more components: **FALSE**
- d. Distilled water, salt, flat soda, and iron rust are examples of homogeneous mixtures: **TRUE**
- e. Alloys, bitumen, and air are examples of heterogeneous mixtures. **FALSE**
- f. A patch of soil may appear to be uniform, but it is actually a heterogeneous mixture. **TRUE**

3. What is the difference between homogenous mixtures and solutions?

Components in a homogenous mixture may be in different physical states. Components in a solution are in the same physical state (liquid state). i.e

See comprehensive explanation here: <https://chemtribe.com/homogenous-and-heterogeneous-mixtures/>