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Try to classify each of the following substances as an element, compound, homogeneous (uniform) mixture, or heterogeneous (non-uniform) mixture (you may want to do some research on chemical composition of each substance to help you classify; asking yourself “*what is this made of and how?*” also often helps 😊) :

**Example: Blood** – contains *blood cells* (red, white etc) – separate identifiable “parts” - therefore it’s a **mixture** – those *blood cells are different* therefore it’s **heterogeneous**.

- a. Air
- b. Baking soda
- c. Garden soil
- d. Fine quality paper
- e. Mercury (liquid metal inside old-fashioned thermometers)
- f. Milk
- g. Carbon dioxide
- h. Chicken noodle soup
- i. Play-Doh
- j. Aluminum foil
- k. Bleach
- l. Pure oxygen (gas in airplane oxygen masks)
- m. Snow (recall/research *how* snow is formed!)
- n. 14 K gold (material frequently used in fine jewelry)