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Try to classify each of the following substances as an element, compound, homogeneous (uniform) mixture, or heterogeneous (non-uniform) mixture (refer to Slides ##5-10 of Classwork #16; 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 the mixture is **heterogeneous**.

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