

UNIT 5. MATTER AND CHANGES IN MATTER

1. Correct the following sentences related to matter and its changes.

- Matter is the amount of mass in an object.

- There are two general properties of matter: mass and density.

- We use the formula: $\text{VOLUME}/\text{MASS}$ to calculate the density of an object.

- Mixtures are found in nature.

- Filtration separates mixtures of solid and liquid solutions by boiling them until the liquid evaporates.

- Homogeneous mixtures or solutions have visible components.

- Alloys are mixtures of two or more components that are melted and mixed together.

2. Identify the methods of separation in these pictures.



3. Let's think together.

In a bowl, there is a mixture of glass marbles and plastic marbles. You could separate the two types of materials by hand, but this would take a long time! You could also use a jug of water. How would that work?