

**1. Match the correct options:**

**Matter**

**It's the space that matter occupies. We measure it in millilitres.**

**Mass**

**It's anything that has mass and uses space.**

**Volume**

**It's the amount of matter in an object. We measure it in grams.**

**Hardness**

**It tells us how resistant an object is to scratching or pressure.**

**Density**

**It tells us what substances dissolve well and what substances do not.**

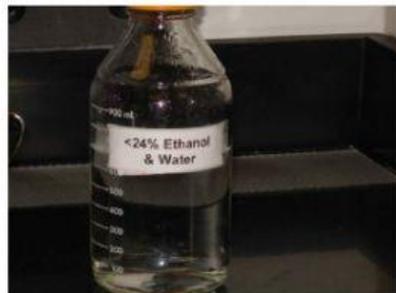
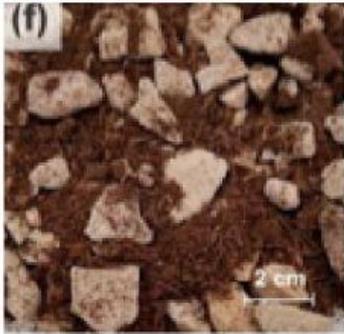
**Solubility**

**It's the amount of matter in a specific volume. We measure it in kilograms per litre.**

**2. Choose the correct option (pure substance, homogeneous mixture or heterogeneous mixture):**



### 3. How can you separate these mixtures?



### 4. Write True or False:

1. We use sieving to separate an insoluble substance from a liquid.
2. Decantation uses gravity to separate different substances.
3. Liquids have a definite shape but they haven't a definite volume.
4. Gases don't have a definite shape or a definite volume.
5. Solids have a definite volume and shape.
6. The change from gas to solid is called evaporation.

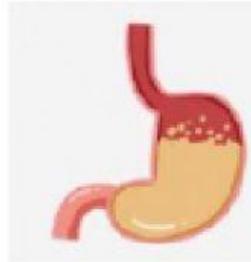
5. Choose if these changes are physical or chemical and then write if they are reversible or irreversible:



A rusting bike



Crushing a can



Digesting food



Melting ice



Burning wood



Cutting an apple



Baking a cookie



Cutting grass