

MATTER AND ENERGY 1

1. True or false?

- a) The Earth has permanent magnetic field. T / F
- b) Air is an example of a homogenous mixture. T / F
- c) Combustion can cause global warming. T / F
- d) The needle of a compass isn't affected by an electric current. T / F
- e) We can't easily see components in an heterogenous mixture. T / F
- f) The best way of separating salt from water is filtration. T / F
- g) A compass is an instrument which always points north. T / F
- h) We can easily see the components of a heterogeneous mixture. T / F
- i) When a fruit is oxidized is because it has gained electrons. T / F

2. What method of separation should we use to separate these mixtures? Why?

Sugar and cola: _____ because _____

Petrol and water: _____ because _____

Sand and coins: _____ because _____

Tea herbs and water: _____ because _____

FILTRATION

EVAPORATION

DISTILLATION

MAGNETISATION

one of them is a metallic object.

one is a solid and the other is a liquid.

one is a solid and is dissolved in the liquid.

Both are liquids.