

# Matter and energy

## 1. Complete the following sentences.

- a) \_\_\_\_\_ is the amount of matter something contains.
- b) \_\_\_\_\_ is the amount of space an object occupies.
- c) \_\_\_\_\_ is the relationship between the mass and volume.
- d) \_\_\_\_\_ materials are \_\_\_\_\_ materials which go through a chemical transformation.
- e) \_\_\_\_\_ refers to how difficult the material is to scratch and change shape.
- f) \_\_\_\_\_ happens when water is heated and becomes water vapour.
- g) An \_\_\_\_\_ mixture is one in which the different elements are visible and you can separate them easily.
- h) \_\_\_\_\_ is the process by which one separates liquids with different densities.

## 2. Say whether these sentences are true (T) or false (F).

- a) Mechanical energy is produced by vibration.
- b) Light energy is the fastest form of energy.
- c) Sunlight is a renewable source of energy.
- d) Uranium is a non-renewable source of energy.
- e) Reflection is the process in which light passes from one substance into another, and changes speed and direction.
- f) Some materials transfer heat better than others.