

5. Osman wants to find out whether the substances in Figure 2 can dissolve in water.

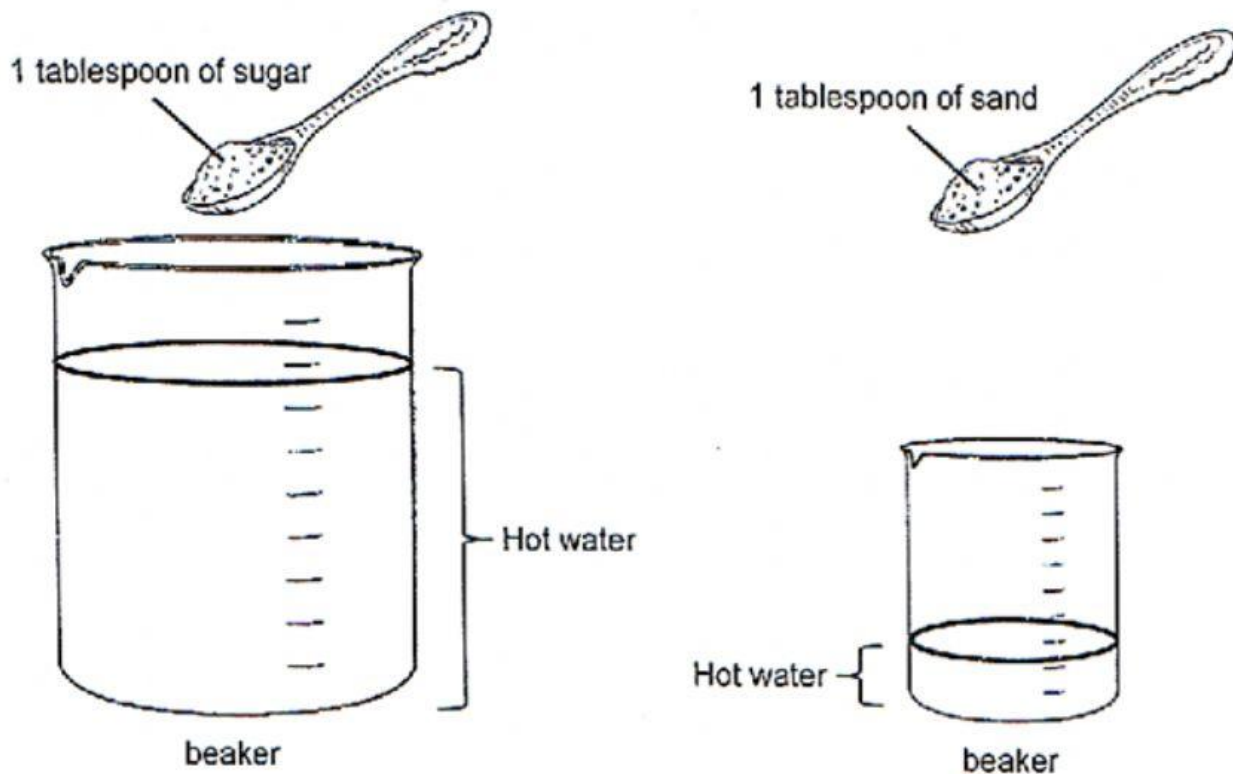


Figure 2

Study the experiment in Figure 2.

(a) When a substance can dissolve in water, it is Soluble. [1 mark]

(b) Which substance in Figure 2 will:

(i) dissolve in water? - Sugar Sand. [1 mark]

(ii) not dissolve in water? - Sugar Sand. [1 mark]

(c) Osman's experiment is **not** a fair test because some things in the experiment are not kept the same. List two things that should stay the same to have correct and fair results.

- The size of the beaker must be different.
- (i) The size of the beaker must be the same.
- The volume/amount of water in both beaker must be the same.
- (ii) The volume/amount of water in both beaker must be different.

[2 marks]