

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

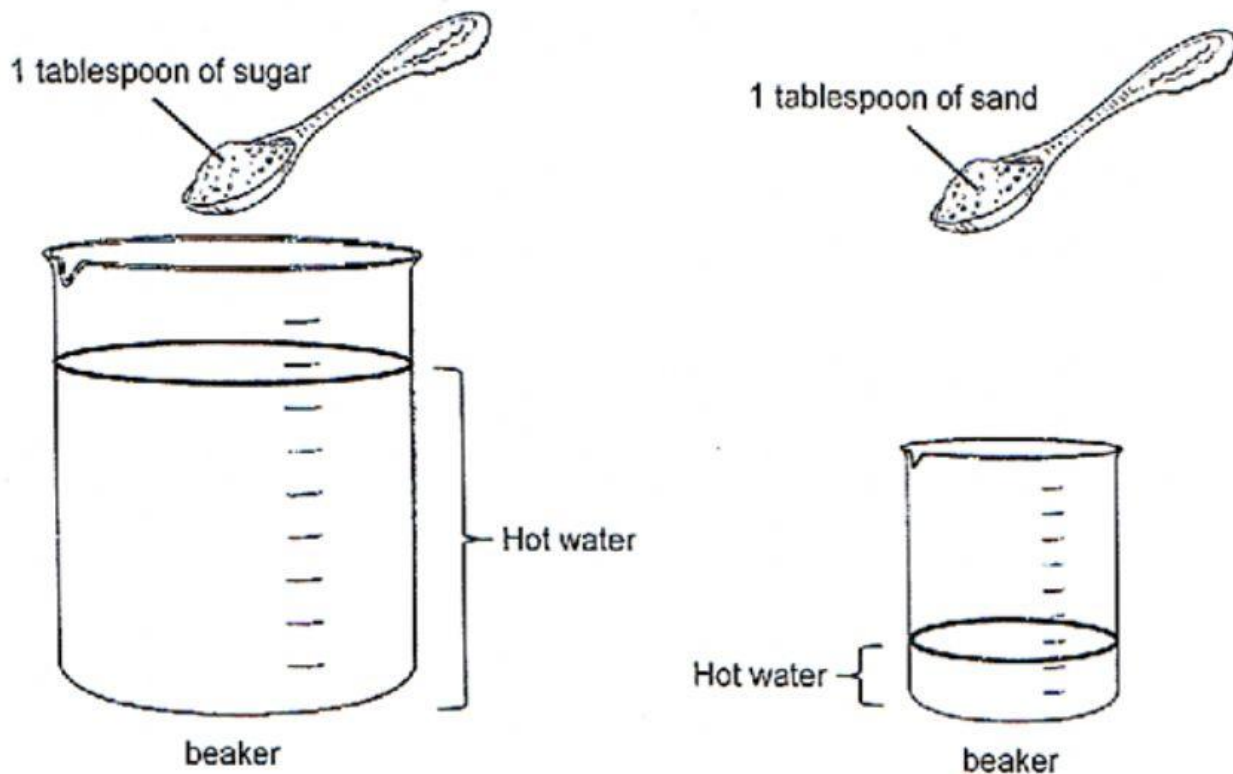


Figure 2

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]