

# What is in the test tubes?

This task is about reading diagrams for mixtures, solutions and pure substances.

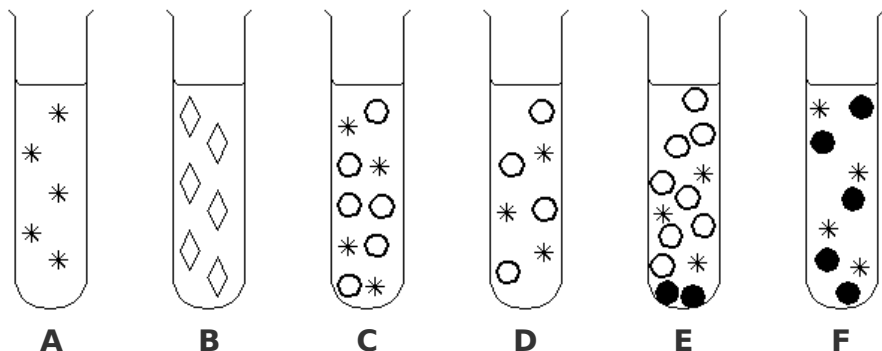
## Key

\* water particle

◇ methylated spirits particle

○ dissolved solid particle

● undissolved solid particle



a) Which test-tube(s) contain:

- i) pure water? \_\_\_\_\_
- ii) an undissolved solid in water? \_\_\_\_\_
- iii) mixtures? \_\_\_\_\_
- iv) the most dilute solution? \_\_\_\_\_

b) Filtration is filtering of solid particles from a liquid and evaporation is the change of state from a liquid to a gas.

Which test-tube(s) contents could be separated by

- i) filtration? \_\_\_\_\_
- ii) evaporation? \_\_\_\_\_

c) Using the same symbols as in the key above, complete these test-tube(s) to represent.

i)



methylated spirits and water

ii)



sand and water

iii)



sand, salt and water

iv)



copper sulfate solution