

## COMBINED SCIENCE REVISION EXERCISE

- 1) You have two thermometers, a clinical thermometer and a laboratory thermometer.
  - a) Explain why the two thermometers are referred to as liquid in glass thermometers? [1]
  - b) Name the two substances that are used in these liquid in glass thermometers. [2]
  - c) Which of the two thermometers is suitable for measuring temperature of boiling water? [1]
  - d)
    - i) Give the name of the thermometer that is used at the school gate to detect your temperature. [1]
    - ii) Give a reason why we cannot use the thermometer in (i) to measure temperature of boiling water [1]
- 2)
  - a) Define transpiration [1]
  - b) Define osmosis [2]
  - c) Define active uptake [1]
  - d) Define diffusion [1]
- 3)
  - a) Which two ways are used by plants to absorb water and nutrients? [2]
  - b) Which two ways are used by the digestive system to absorb nutrients into the blood stream? [2]
  - c) Give a reason why diffusion is the opposite of active uptake? [1]
  - d) State three factors which affect the rate of transpiration [3]
  - e) Suggest one method you can use to reduce transpiration. [1]

TOTAL 20 MARKS