

2013 GRADE 8 NATURAL SCIENCES BASELINE TEST

QUESTION 1

1.1 Various options are given as possible answers to the following questions. Choose the correct answer and write only the letter (A to D) next to the question number (1.1.1 to 1.1.10) in the ANSWER BOOK, for example 1.1.11 D.

1.1.1 In order to test a hypothesis, a scientist designs an experiment. He/she asks 27 learners to make observations about boiling water in a beaker. The diagram below shows one of her learners.

Because the learners must be kept safe from harm, which statement BEST describes the mistakes in the laboratory practices shown in the diagram below?



- A. The opening of the test tube is pointed toward the learner and he is not wearing safety goggles.
- B. The test tube has no stopper in it and the learner is not wearing safety goggles.
- C. The flame is too high and the test tube is has no stopper in it.
- D. The beaker has water in it and the flame is under the tripod.

(2 marks)

1.1.2 Thembisa pours herself a glass of cola with ice in it. Identify which objects are solid, liquid, and gas.



A glass of cola with ice in it

- A. The cola is the solid, the ice is the liquid, and the bubbles are the gas.
- B. The ice is the solid, the bubbles are the liquids, and the cola is the gas.
- C. The bubbles are the solids, the cola is the liquid, and the ice is the gas.

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