

2018

STUDENT PROGRESS EXAMINATION

SCIENCE

Time: 2 hours

NAME	
CLASS	
DATE	

INSTRUCTIONS TO CANDIDATES:

1. Write your name, class and date in the boxes above.
2. Do not open this booklet until you are told to do so.
3. Answer **ALL** questions in SECTION A and SECTION B.
4. Write your answer, in blue or black ink, in the boxes (Section A) or spaces (Section B) provided on the question paper.
5. Read each question carefully

INFORMATION TO CANDIDATES:

1. The number of marks is given in brackets [] at the end of the each question or part question.
2. The total number of marks for this paper is 100.

FOR THE USE OF MARKERS ONLY

SECTION	MARKS
A	
B	
TOTAL MARKS	

SECTION A

Answer ALL questions in this section.

Each question or statement is followed by four suggested answers or completions. Choose the BEST ANSWER or COMPLETION and write the letter in the answer box.

1. Which of the following items is the best method to put out a fire in a person's hair or clothes?

A.



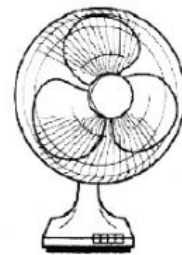
B.



C.



D.



2. Figure 1 shows a plastic bag labelled with a hazard symbol. What does the hazard symbol tell us about the contents of the bag?



Figure 1

- A. They are biohazardous.
B. They are corrosive.
C. They are explosives.
D. They are radioactive materials.

3. Figure 2 shows an electronic balance measuring the mass of a beaker before and after adding liquid into it.

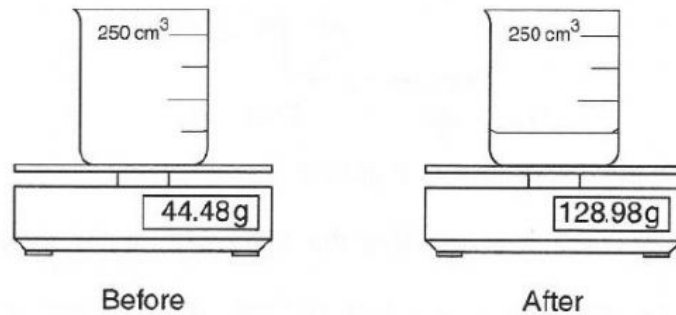


Figure 2

Which of the following best describes the density of the liquid?

- A. 0.75 g/cm³
- B. 62.5 g/cm³
- C. 84.5 g/cm³
- D. 1.35 g/cm³

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4. Figure 3 shows a transparent grid with squares of size 1 cm² on top of a leaf. Estimate the area of the leaf that contains the pigment chlorophyll.

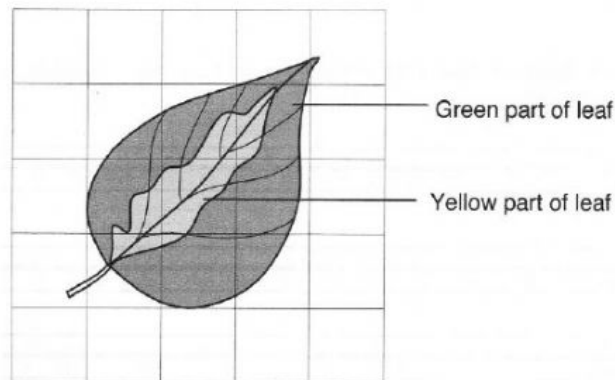


Figure 3

- A. 1 cm²
- B. 3 cm²
- C. 6 cm²
- D. 9 cm²

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5. A fresh egg will sink to the bottom of a saucepan of water, while a stale egg will rise to the surface of the water as shown in Figure 4 below.

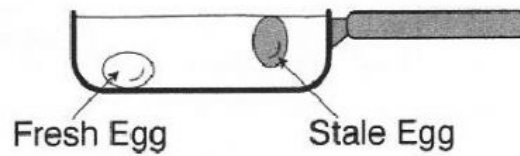


Figure 4

Which of the following best explains the behaviour of the stale egg?

- A. Some of the contents of the egg escapes which make it lighter.
- B. The density of the egg increases as it goes stale.
- C. The density of the egg decreases as it goes stale.
- D. Some of the egg shell falls off which makes it lighter.

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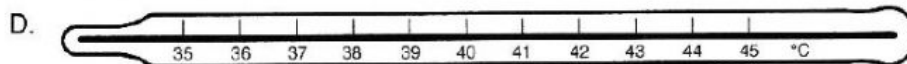
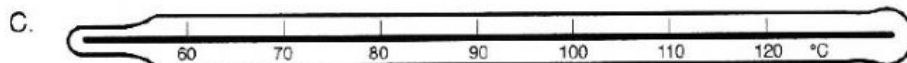
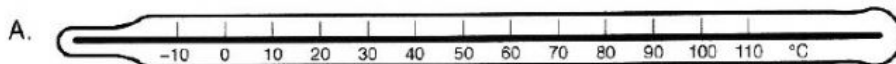
6. A cube of mass 128 g has a density of 2 g/cm³.

What is the length of each side of the cube?

- A. 4 cm
- B. 8 cm
- C. 64 cm
- D. 256 cm

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7. Which of the following four thermometers would be most suitable for measuring body temperature?

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8. Which one of the following processes involves getting rid of toxic products from the body?

- A. Absorption
- B. Digestion
- C. Excretion
- D. Nutrition

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9. Respiration is one of the seven characteristics of living things. Which of the following best describes respiration?

- A. Ability to produce new individuals.
- B. Reaction to changes in the environment.
- C. The way living things get energy from food.
- D. The way that all living things are made of cells.

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10. Study the particles in **W**, **X**, **Y** and **Z** in Figure 5 below.

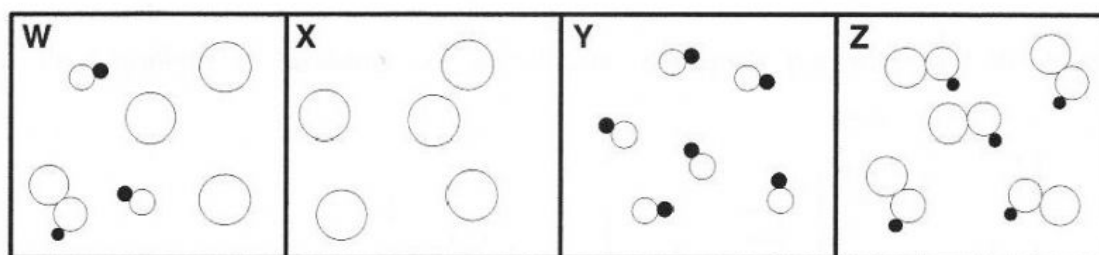


Figure 5

Which of the following best describes the particle arrangements in Figure 6.

	W	X	Y	Z
A	compound	compound	element	mixture
B	compound	element	mixture	mixture
C	mixture	element	compound	compound
D	mixture	element	compound	mixture

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