



Science

Year 6

MARCH EXAMINATION 2021

1 hr. 30 min

Additional Materials:

- Soft clean eraser
- Soft pencil (type B or HB recommended)

Read these instructions first

This paper contains 13 questions. Answer all questions in the spaces provided.

Do **not** use staples, paper clips, and glue or correction fluid.

Any rough working should be done in the rough work booklet provided.

NAME:

DATE:

SCORE:

TOTAL MARKS:

[Turn over]

1. Define the following terms (3mark)

a) Solution

.....
.....

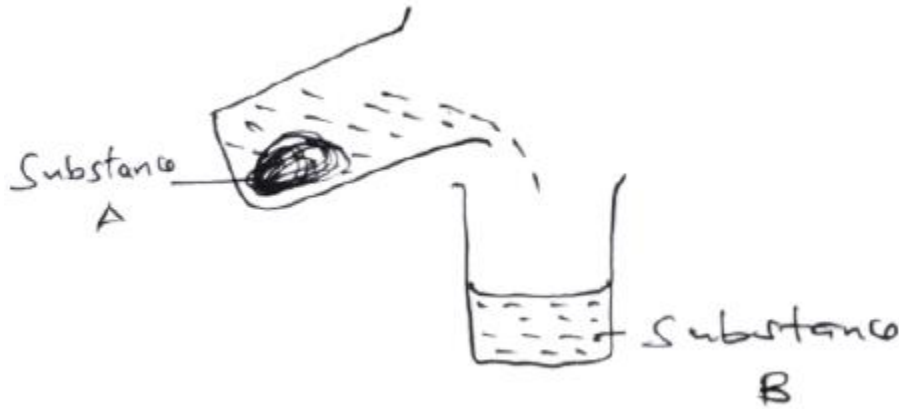
b) Solute

.....
.....

c) Solvent

.....
.....

2. The diagram below illustrates a method of separating mixtures.



a) Name the method of separating mixture above. (1)

.....

b) Name substance A and B (2)

A _____

B _____

c) Give two examples of substances that can be separated by the method above (2 mks)

.....
.....

d) Apart from this, list 5 other methods of separating mixtures (5 mks)

.....
.....
.....
.....
.....
.....

3. What is the effect of temperature while dissolving a solute? Explain both the high temperature and the low temperature effect (4marks)

.....
.....
.....
.....

4. How can stirring help in dissolving (2marks)

.....
.....

5. how does grain size of solute affect dissolving (2mark)

.....
.....

6. a) What is the difference between a physical change and a chemical change(2mark)

.....
.....

b) Name two reversible changes at home (2mark)

.....
.....

d) Name two irreversible changes at home (2mark)

.....
.....

7. When you make jelly you mix jelly powder with ethanol to make a solution (2marks)

i. Name the solute in the jelly solution

.....

ii. Name the solvent in the Jelly solution

.....

iii. Name two factors that affect the rate of dissolving when you make jelly (2 mks)

.....

8. State 4 components of the blood and their functions (8marks)

.....
.....
.....
.....
.....

9. Answer the following questions

a) What is acid rain(1mark)

.....

b) State two causes of acid rain (2marks)

.....

c) State two effects of acid rain (3marks)

.....

10.

a) State two reasons for conservation (2marks)

.....

.....

b) What is the meaning to the following terms (3marks)

i. Population

.....

.....

ii. Habitat

.....

.....

iii. Poaching

.....

.....

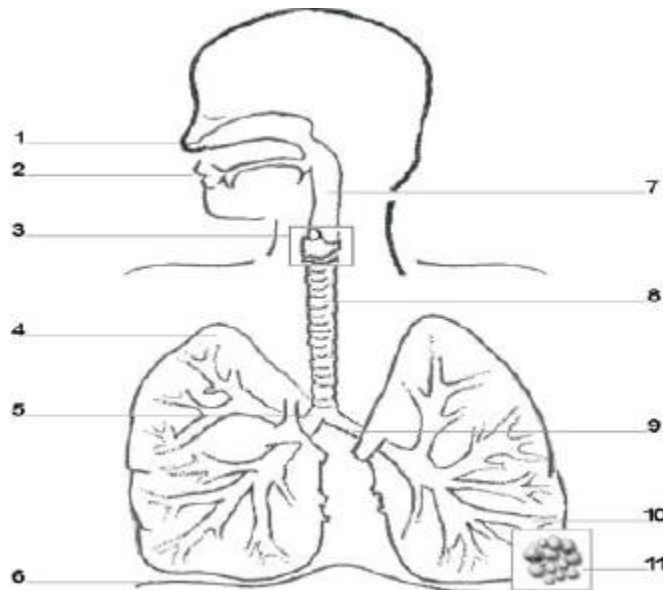
11. State two human activities that can lead to global warming

.....
.....

12. State three ways how human can take care of the environment (3 mks)

.....
.....
.....

13. Below is a diagram of the breathing system.



a) Give the names of the parts labelled 5, 6, 7 and 11 .

5 _____
6 _____
7 _____
11 _____

b) What happens in the organ labelled 1 and 4?

1 _____

4 _____

c) Which gases are exchanged the parts labelled 11?

.....

.....

.....