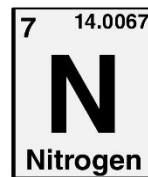
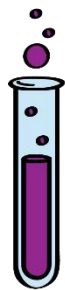
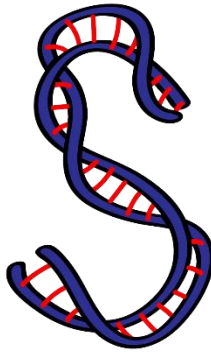




ASPIRE
INTERNATIONAL SCHOOL



Science Department

2023/2024

Year 8

Term 1, Week 3

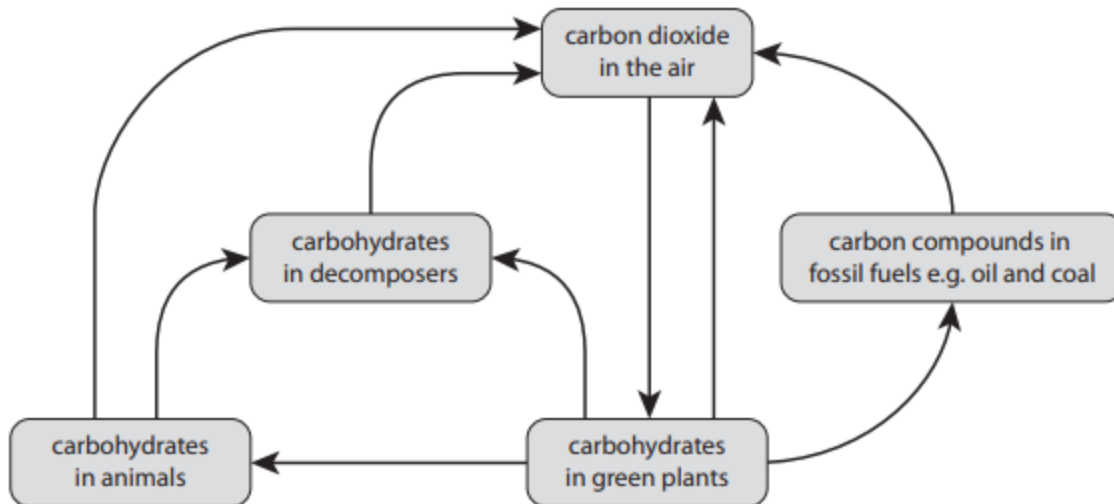
Worksheets 4

Name:

Class:

1.3 Completing a carbon cycle diagram

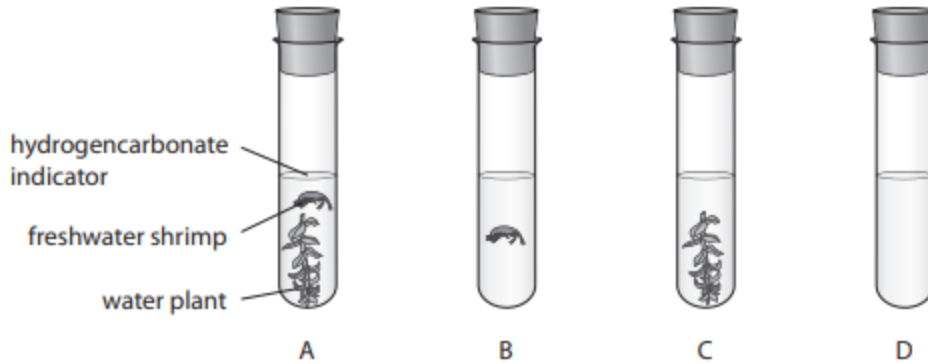
The diagram shows part of the carbon cycle.



Focus

- 1 On the diagram, write these labels next to the correct arrows:
 - R** next to three arrows that show respiration
 - P** next to one arrow that shows photosynthesis
 - C** next to one arrow that shows fossil fuels being formed
 - D** next to two arrows that show decomposition
 - F** next to one arrow that shows feeding

Arun set up four boiling tubes like this:



Arun recorded the colour of the indicator in each tube at the start of his experiment. Then he left the tubes in the laboratory for two hours, and recorded the colour again.

This is what he wrote down.



2 Suggest why Arun put a bung in each tube.

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3 Describe two variables that Arun kept the same in his experiment.

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4 Construct a results table in the space below, and complete it to show Arun's results.

5 Explain Arun's results.

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6 Use Arun's results, and the diagram of the carbon cycle, to explain the importance of plants in maintaining a stable concentration of carbon dioxide in the atmosphere.

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