

NAME: _____

DATE: _____

1.

Group 1	Group 2
Beetle Moth Housefly	Cockroach Grasshopper Dragonfly

- (1) Animals in group 1 are insects while animals in group 2 are not insects.
- (2) Animals in group 1 reproduce from eggs but animals in group 2 do not reproduce from eggs.
- (3) Animals in group 1 have four stages of development in their life cycles while animals in group 2 have three.
- (4) The young of animals in group 1 have wings but the young of animals in group 2 do not have wings.

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Section B: Short-answer questions (9 marks)

1. A wriggler is the larva of a mosquito.

a. What does a wriggler develop from? (1 mark)

b. What will the wriggler develop into? (1 mark)

c. At which stage of the development of a butterfly is it similar to the wriggler? (1 mark)

2. Draw diagrams to represent the life cycles of the following animals:

a. A cow (1 mark)

b. A cockroach (1 mark)

c. A bee (1 mark)

3. Corrine carried out some investigations to find out what are necessary for seeds to germinate. She recorded the results of her investigations in the table below.

Seed	Soil	Water	Light	Air	Warmth	Started to grow?
A	Present	Present	Present	Present	Present	Yes
B	Absent	Present	Present	Present	Present	Yes
C	Absent	Absent	Present	Present	Present	No
D	Present	Present	Absent	Present	Present	Yes

- a. From the results, what is/are *not* necessary for seeds to germinate? (1 mark)

- b. When carrying out her investigations, Corrine made sure that she used the same type of seeds. Why did she do that? (2 marks)
