



Name _____ Class _____ Date _____

1 Eggs of a wasp species are deposited **inside** the body of a gypsy moth caterpillar. The wasp eggs hatch into larvae, which feed on and destroy the caterpillar. **The relationship that exists between the wasp larvae and the caterpillar is known as**

- A mutualism
- B parasitism
- C commensalism
- D saprophytism



3 The **energy** an organism requires to **transport materials and eliminate wastes** is obtained directly from

- A DNA
- B starch
- C hormones
- D ATP

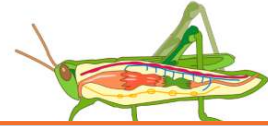
2 Most cells in the body of a fruit fly contain **eight chromosomes**. How many of these chromosomes were contributed by **each parent** of the fruit fly?

- A 8
- B 2
- C 16
- D 4



4 The development of **specialized tissues and organs** in a **multicellular organism** directly results from

- A cloning
- B differentiation
- C meiosis
- D evolution



5

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PREVIEW

7

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- B cell → organelle → tissue → organ → organ system → organism
- C organelle → tissue → cell → organ → organ system → organism
- D cell → organism → organ system → organ → tissue → organelle

B 2	1	one	identical
C 3	2	one	different
D 4	3	two	identical
	4	two	different

9

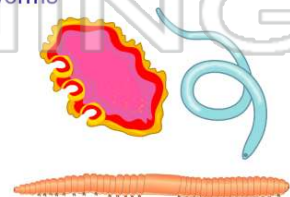
Which is a **cnidarian body plan**?

- A segmented
- B polyp
- C vertebrate
- D simple



10 Which is **not** a **group or phyla** of worms?

- A segmented worms
- B flatworms
- C earthworms
- D roundworms





ANSWER KEY

Eggs of a wasp species are deposited **inside** the body of a gypsy moth caterpillar. The wasp eggs hatch into larvae, which feed on and destroy the caterpillar. **The relationship that exists between the wasp larvae and the caterpillar is known as**

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(b)

Most cells in the body of a fruit fly contain **eight chromosomes**. How many of these chromosomes were contributed by **each parent** of the fruit fly?

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- B** 2
- C** 16
- D** 4



(d)

The **energy** an organism requires to **transport materials and eliminate wastes** is obtained directly from

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(d)

The development of **specialized tissues and organs** in a **multicellular organism** directly results from

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- B** differentiation
- C** meiosis
- D** evolution



(b)



PREVIEW

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- C** organelle → tissue → cell → organ → organ system → organism
- D** cell → organism → organ system → organ → tissue → organelle

C 3	2	one	different
D 4	3	two	identical
	4	two	different

Which is a **cnidarian body plan**?

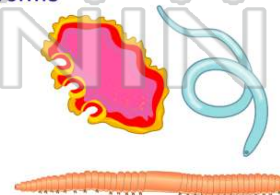
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(b)

Which is **not a group or phyla** of worms?

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(c)