



## BLUE PLANET LEVEL 4

### Unit 1

P.6

centipedes	millipedes
insects	worms
mollusks	arachnids
insects	mollusks

P.7

Life cycle of a grasshopper:

- 1) egg 2)nymph 3)adult

Life cycle of a moth:

- 1) egg 2)larva 3)pupa 4)adult

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1. They have 6 legs.
2. Yes, ladybugs have wings.
3. Three parts
4. The beetle has 2 feelers.
5. Yes, the grasshopper has a hard covering.

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	antennae
legs	eyes
thorax	
abdomen	wings

P.13

1. An ant is an **insect**.
2. An ant has **six** body parts.
3. An ant has a **hard** covering.
4. An ant has **two** antennae or feelers on its head.
5. The ant has **six** legs.
6. Ants are **cold-blooded**.

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1. An insect have **three** body parts.
2. Insects have **six** legs.
3. Insects do not have **backbones**. They are invertebrates.
4. An ant has two **antennae** (or **feelers**) that help it feel.
5. An ant's stomach is also called an **abdomen**.

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1. A spider has eight legs.
2. No, because a spider has no backbone.
3. A spider has two body parts.
4. Their abdomen is covered with hair.
5. Most spiders have eight eyes.
- 6.
7. Baby spiders are called spiderlings.
8. **YES** or **NO**

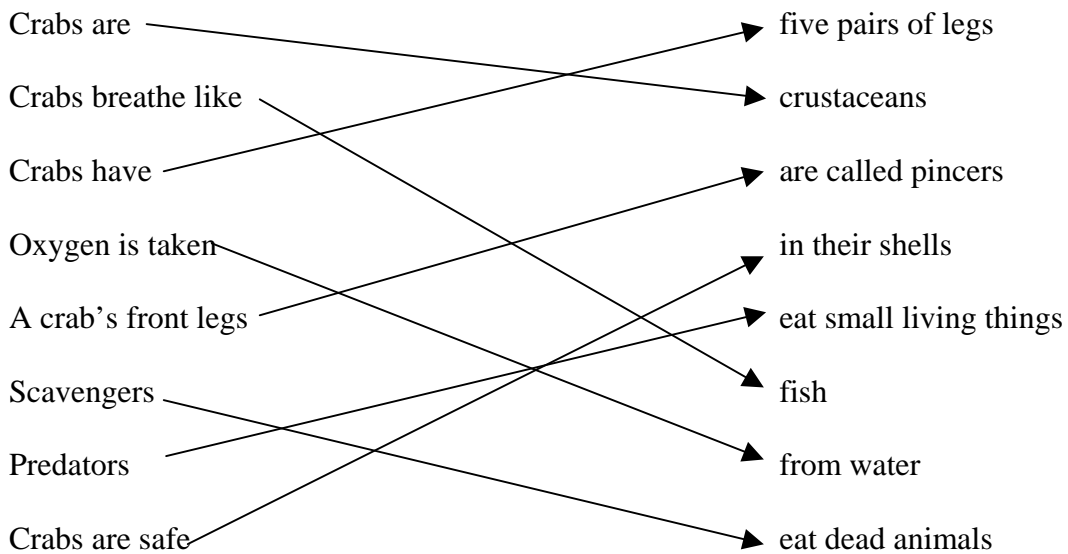
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	Ant	Snail	Spider	Earthworm
1. no backbone	√	√	√	√
2. feelers or antennae	√	√		
3. eight legs			√	
4. body covered with a hard outside	√	√	√	
5. soft body		√		√
6. hairy body			√	
7. six legs	√			
8. part of the body is in a shell		√		
9. wings				

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animal	eats	is eaten by
grasshopper	A variety of both living and dead things	Birds, frogs, bats, lizards, monkeys, and many other creatures eat them.
ant		
praying mantis		
treehopper		
spider		

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1. T
2. F
3. T
4. T
5. F

P.46

anus	
segments	
head	
	mouth

P.50

1. No
2. Two
3. Are at the front of its two large antennae.
4. One
5. Antennae
6. At the end of its antennae
7. Eggs, baby, adult

shell	feelers	eyes
foot	mouth	

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1. F
2. T
3. T
4. F
5. F
6. T
7. T
8. F

### **UNIT 3**

P.76

● True or False

1. T
2. T
3. F
4. F
5. T
6. T
7. T

8. F
9. T
10. F

1)

- air balloon
- windmills
- sailboats
- glider
- windmill

2)

- gasoline
- diesel

3) Combustion is a chemical reaction that produces energy. (need an example)

4) Internal combustion is a process when the fuel burns inside an engine.

5) External combustion is a process when the fuel burns outside an engine.

6) Boiling water turns into a gas, which is called steam.

7) Garbage releases methane.

8) It can be collected and burned to produce energy.

→ Answer the following:

1) The Montgolfier brothers invented the hot air balloon.

2) There were three passengers: a duck, a rooster and a sheep.

3) Air balloons rise because the hot air inside the balloon is lighter than the cold air outside.

4) The zeppelin came after the air balloons.

5) The three main parts are the basket, the gas burners and the envelope.

## **UNIT 4**

P.95

1) F

2) T

3) T

4) F

5) T

6) T

7) F

8) T

9) T

10) F

11) T

12) F

P.101

- 1) A shark is a **fish**.
- 2) There are about **370** species of sharks.
- 3) Symbiosis means "**living together**".
- 4) Baby sharks are called **pups**.
- 5) Mother sharks **do not** take care of their babies.
- 6) Sharks hunt for their food at **dawn** or **after sunset**.
- 7) Sharks have **seven** sets of teeth.
- 8) Sharks are in danger of becoming **extinct**.
- 9) Sharks are **harmless (or not dangerous)** to humans.
- 10) Pectoral fins are used for **steering, turning** and **stopping**.

Write two interesting facts that you learned about the following sharks.(Possible answers)

Great white: - The great white shark is the most dangerous shark.  
- They can be more than 6m long.  
- They have large, razor-sharp teeth.

Nurse shark: - They live in shallow water.  
- They hunt for food at night.  
- They have two feelers, or barbels, that hang from their mouth.  
- If their prey is stuck between two rocks, nurse sharks can simply place their large lips over the hole and suck it out.

Tiger shark: - They are called the "trash cans of the sea" because they will eat almost anything.  
- They spend their time in deep waters.  
- They are among the few species that attack humans.

Hammerhead shark: - They live in warm, shallow water.  
- They swim south in the winter and north in the summer.  
- They usually hunt at night.  
- The smallest hammerhead shark is a bonehead.

## **UNIT 5**

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Circle the correct answer

- 1) rocks
- 2) two poles
- 3) iron
- 4) Chinese
- 5) permanent

Fill in the blank...

- 1) Magnetism is related to **electricity**.
- 2) When electricity flows through a wire, it makes a **magnetic field**.

- 3) An electromagnet is a **temporary** magnet.
- 4) An electromagnet can be used in junkyards to move **cars**.
- 5) Animals use earth's **magnetic field** to navigate on long journeys.

## **Unit 6**

P.133

4	2
3	5
1	6

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7
2
6
3
5
8
9
1
4

P.140

- 1) T
- 2) F
- 3) T
- 4) F
- 5) F (not all animals)
- 6) T
- 7) F
- 8) T
- 9) F
- 10) T