



**Subject:** Grade 7 Natural Sciences

**Topic:** Diversity of animals

**Total:** 34 Marks

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1. exoskeleton | exo-skeleton

3 marks

**Explanation:**

An exoskeleton is a hard outer surface that protects the animal's softer insides.

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2. Amphibians | Fish | Reptiles

6 marks

**Explanation:**

Cold-blooded animals take on the temperature of their surroundings. They are hot when their environment is hot and cold when their environment is cold.

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3. false

2 marks

**Explanation:**

A frog is a vertebrate. It has a backbone and skeleton inside its body.

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4. false

2 marks

**Explanation:**

A snake is a vertebrate because it has bones inside its body.

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5. true

2 marks

**Explanation:**

All chordates have a notochord at some point of their lives, but most of them lose it before they are born.

A notochord is a long, flexible rod that develops into a backbone. It ensures that the backbone grows in the correct place.

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6. Reptiles | Reptilia | Reptile

3 marks

**Explanation:**

Reptiles are animals that are cold-blooded. This means that their blood temperature is the same temperature as their surroundings.

Most reptiles lay eggs and their skin is covered with dry scales.

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7. A: head, thorax and abdomen

4 marks

**Explanation:**

The hard outer covering covers the head and thorax of the crab.

Most crabs have 3 body parts. Few have two body parts, namely a celphalothorax and abdomen.

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8. Mollusca | snail

4 marks

**Explanation:**

Molluscs have a soft body that is covered by an outer layer called a mantle. Many molluscs live inside a shell, but not all of them.

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9. D: Insects

4 marks

**Explanation:**

Except for the insects, all the other groups have endoskeletons.

Insects do not have backbones and skeletons inside the body. However, their outer covering is hard.

**Amphibians** and **Birds** are also vertebrates.

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10. C: cephalothorax and abdomen

4 marks

**Explanation:**

The head and thorax are fused, forming a cephalothorax.

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