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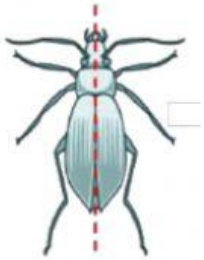
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EMIRATES SCHOOLS ESTABLISHMENT

Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Complete the diagram:

Types of symmetry







Types of skeletons







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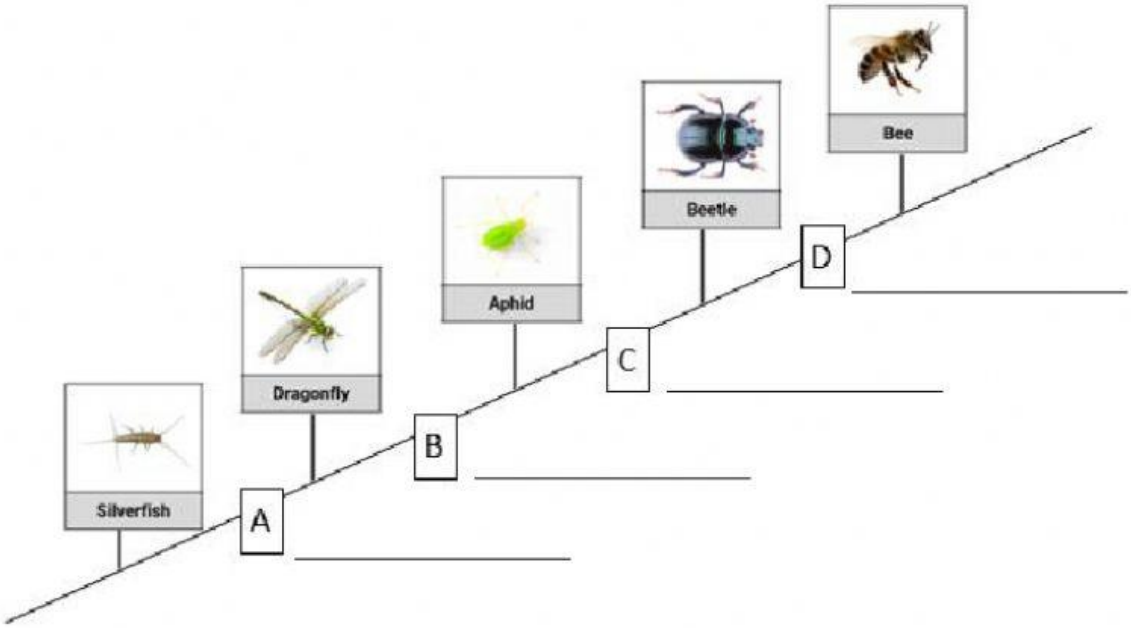
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Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Study the table and cladogram and fill in the missing traits in the blanks:



Traits	Silverfish	Dragonfly	Aphid	Beetle	Bee
Wings		✓	✓	✓	✓
Folding Wings			✓	✓	✓
Larval Stage				✓	✓
Sting					✓

According to the cladogram, which organism is most distantly (farthest from) related to the bee? Explain why.

_____

_____

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Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Write whether the adaption is ***structural*** or ***behavioral***:

Hint:

- **Structural adaption:** are physical characteristics (such as shape or structure) that an organism has.
- **Behavioral adaption**: Are activities or action an organism does to survive.

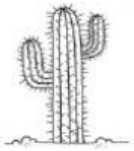
- (_____) Polar bears have thick fur to protect against the cold.



- (_____) Toads hide during the day and come out to feed at night when its cooler.



- (_____) Some plants have thick stems and leaves to store water in dry hot desserts.



- (_____) Chipmunks collect and store food so they can find it in winter.



Fill the blanks with the correct term:

_____animals with an endoskeleton and have backbones.

_____animals without backbones.

_____animals that survive by living inside or on another organism, get food from organism, and do not help in the organism's survival.

_____ animals that are grouped in the phylum Chordata.

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EMIRATES SCHOOLS ESTABLISHMENT

Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Complete the following:

Sponges:



Phylum: _____ Body symmetry: _____

They live in _____ Can they move? (Yes / No)

How do they get their food? _____

Where are they considered simple? _____

Cnidarians:



Phylum: _____ Body symmetry: _____

They live in _____

They use special cells called _____ to catch their prey.

Some of them can freely move such as _____ while others are attaches to surfaces such as _____.

Mollusks:

Phylum: _____ They have _____ which is a thin layer of tissue that protect their internal organs.

Some Examples:



_____ which has an outer shell, and footlike muscles

_____ which looks like snails but with no shells.

_____ which has internal shells.

_____ which eat by filtering food particles from water

_____ which catch preys by its strong tentacles.

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Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Complete the following:

Segmented worms:



Phylum: _____ Body symmetry: _____

They live in _____ Called segmented worms because_____

Some of them are:

- Free living: such as _____ which ingest food through a tube.
- Parasites: such as _____ which suck blood of animals.

Flatworms:



Phylum: _____ Body symmetry: _____

They live in _____ Called flatworms because_____

Some of them are:

- Free living: such as _____
- Parasites: such as _____which infect human.

Roundworms:



Phylum: _____ Body symmetry: _____

They live in _____ Type of skeleton _____

They have a hard outer covering called _____

They must shed and replace their outer covering in a process called _____

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Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Complete the following:

Arthropods:

Phylum: _____ Type of skeleton _____

They use their muscles when moving their jointed _____ which is a structure such as leg or arm that extend from the central part of the body.

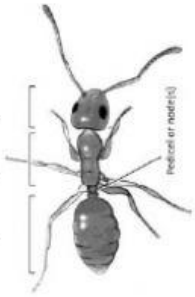
_____ is when the body form of an animal changes as it grows from an egg to an adult

Name the ant's body parts:

_____

_____

_____



How many legs does it has? _____

Write what each of the following Arthropod's groups is familiar with:







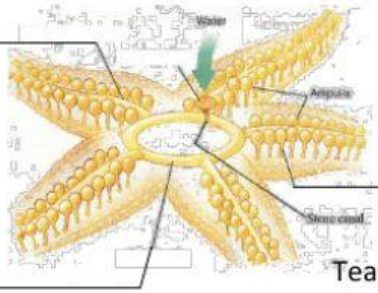
Echinoderms:

Phylum: _____ Body symmetry: _____ then _____

They live in _____ Type of skeleton _____

Name the sea star body parts:

_____



_____

_____

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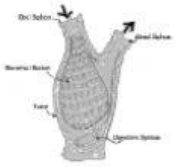
The four common traits of all chordates are:

_____ _____

_____ _____

Write the name of the following invertebrate chordates:

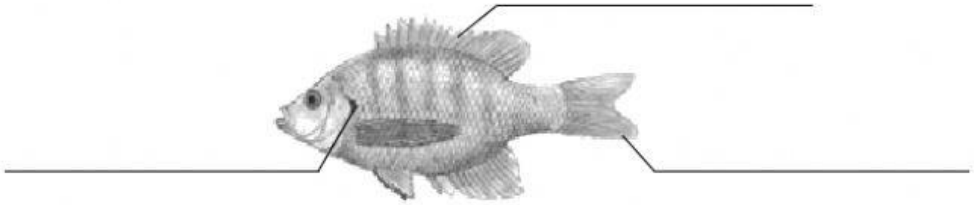




_____ _____

Fish:

Name the parts of the fish, and ***circle*** the part that it use it to breath:



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Name: _____ Section: _____ Chapter 7 - revision

Amphibians:

Correct the underlined words in each sentence:

- Amphibians lives in water only. _____
- Most adult amphibians have gills to breath _____
- Young amphibians have gills and must stay on land _____
- Adult salamanders has no tail _____
- Frogs are amphibians that look like snakes and worms _____
- Amphibians' population is increasing _____

Reptiles:

Fill the blanks using the words in the box:

Turtles – Amnion – scales – amnion – ectotherm – snakes

- Reptiles have _____ on their skins prevent from drying out.
- Most reptiles lay eggs with _____ which a is protective membrane that surrounds the embryo.
- Reptiles are _____ animals, they heat their bodies from heat in their environments.
- All _____ eat other animals. It can crush its prey or bite and poison them.
- _____ have protective shells. Some live in deserts and some in water.

Calculate the density of a bone that has a **mass of 150 g** and a **volume of 30 cm^3**?

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Science – Grade 7

Name: _____ Section: _____ Chapter 7 - revision

Birds:

What are the traits that makes birds different from all other animals?

_____ _____

Write two examples of birds that can't fly:

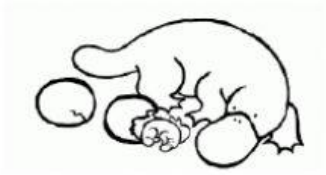
_____ _____

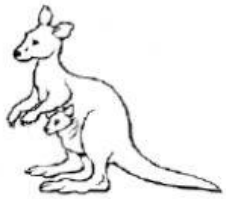
Write two adaptions that allow birds to fly:

_____ _____

Mammals:

Look at the images and write the name of the three groups of mammals:







These animals lay _____	Young raise in _____, where they can drink milk and continue to grow	They have a structure called _____that the young attached to as they grow inside the mother.

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