

## Key Stage 4

### Classification of organisms

- Using the pictures of plankton, the information you have learnt so far and the keys provided, classify the organisms and fill in the answer sheet below.

#### Phytoplankton

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10.	

#### Zooplankton

1.	
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Is the Phytoplankton a single cell or a chain of cells?

Chained cell phytoplankton

Single cell phytoplankton

What do the cells look like?

What do the cells look like?

Cells wide and square with hairs on them

Cells wide with corner nobbles

Cell has 3 arms. 1 pointing straight up and 2 pointing out to the sides

Cell is round and dumpy with a dipping waist and flagella hair

Cell has 3 arms. 1 pointing straight up and 2 pointing downwards

*Lauderia*

*Biddulphia*

*Ceratium longipes*

*Peridinium*

*Ceratium lineatum*

Cells long, thin and joined at the end

Cells wide, square and curvy

Cell is round and dumpy with a fringed top and a flagella hair

Cell has 6 arms and is shaped like a star

Cell is rounded at each end and has 2 rows of hairs around the middle

*Rhizoselenia*

*Eucampia*

*Dinophysis*

*Silicoflagellate*

*Corethron*

Does the Zooplankton organism have legs?

NO

YES

What does the beast look like?

What does the beast look like?

Vase shaped organism with many small valves on the surface

Worm like organism with large rasping jaws

Organism has an elongated carapace with two large spines

Copepod with large carnivorous jaws and a distinctive urosome

Copepod with long thin urosome and long setae on the antennae

Multiple lobed organism with long protruding setae

Shrimp-like organism with a large compound eye

Copepod with long defined antennae

Copepod with short antennae and a long thin urosome

*Tintinid*

*Chaetagnath sp.*

*Decapod larvae*

*Eucheata sp.*

*Oithna sp.*

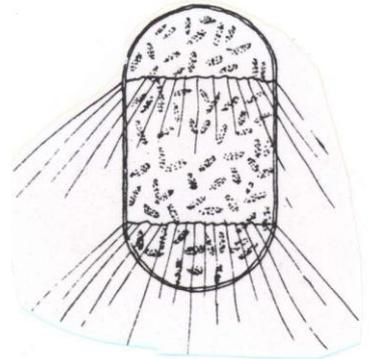
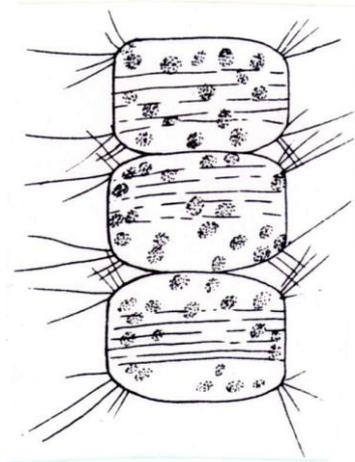
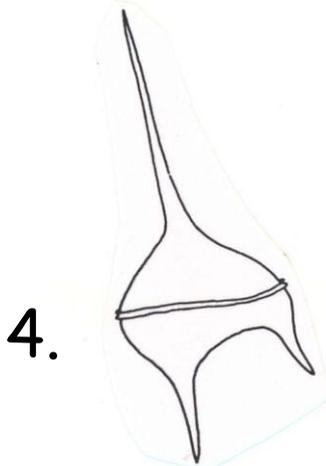
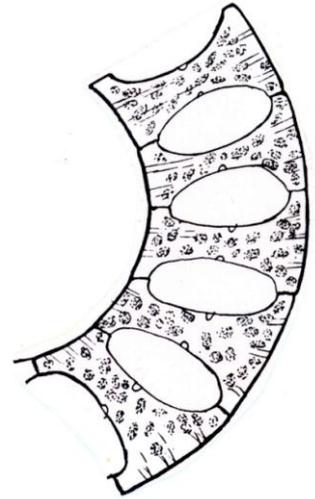
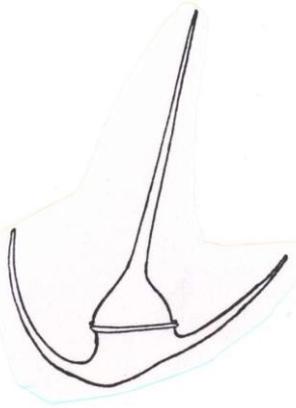
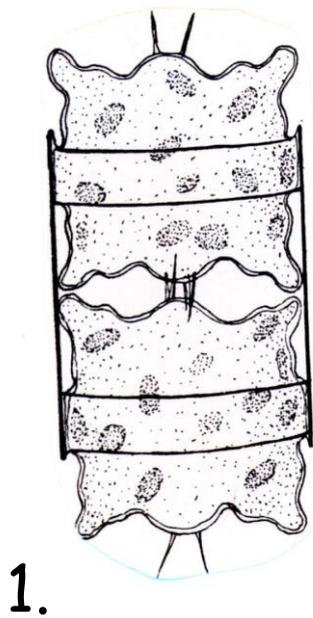
*Foraminifera sp.*

*Hyperiid sp.*

*Calanus sp.*

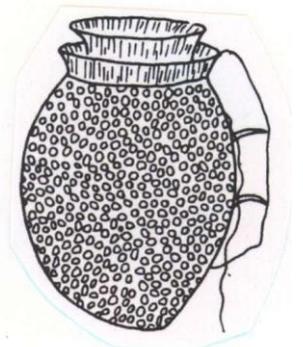
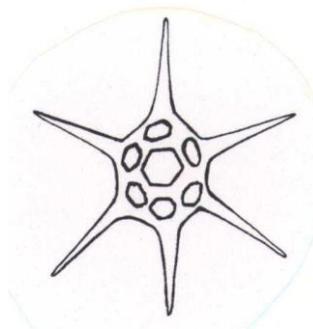
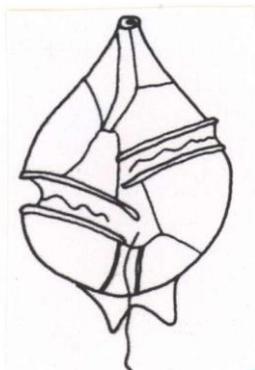
*Oncea sp.*

Phytoplankton



5.

6.



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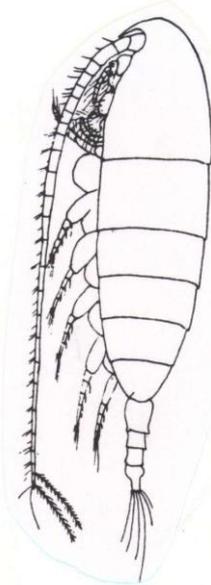


10.

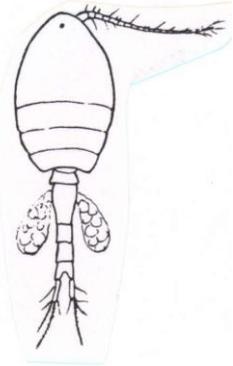
Zooplankton



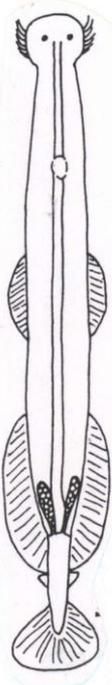
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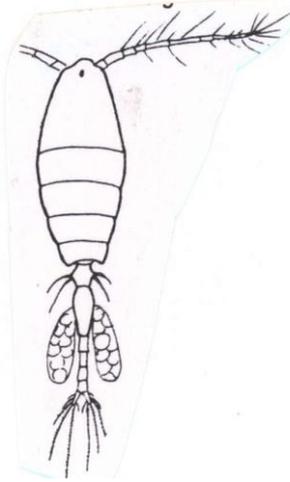
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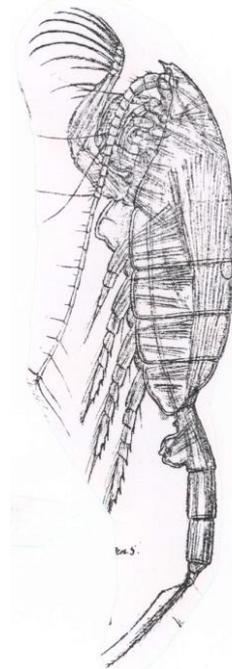
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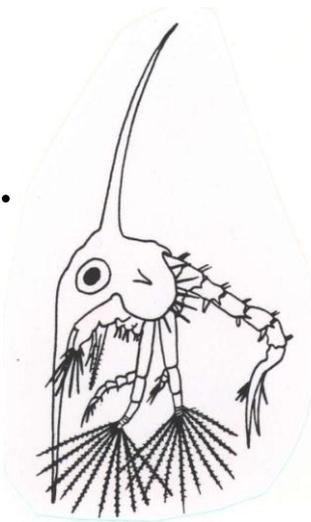
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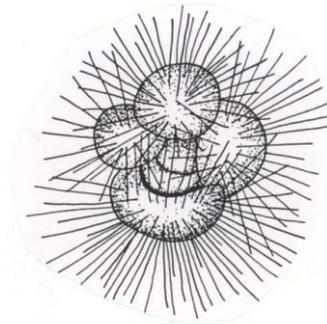
5.



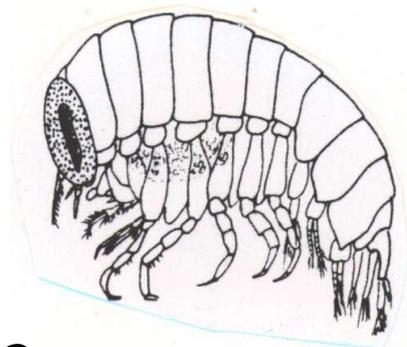
6.



7.



8.



9.