

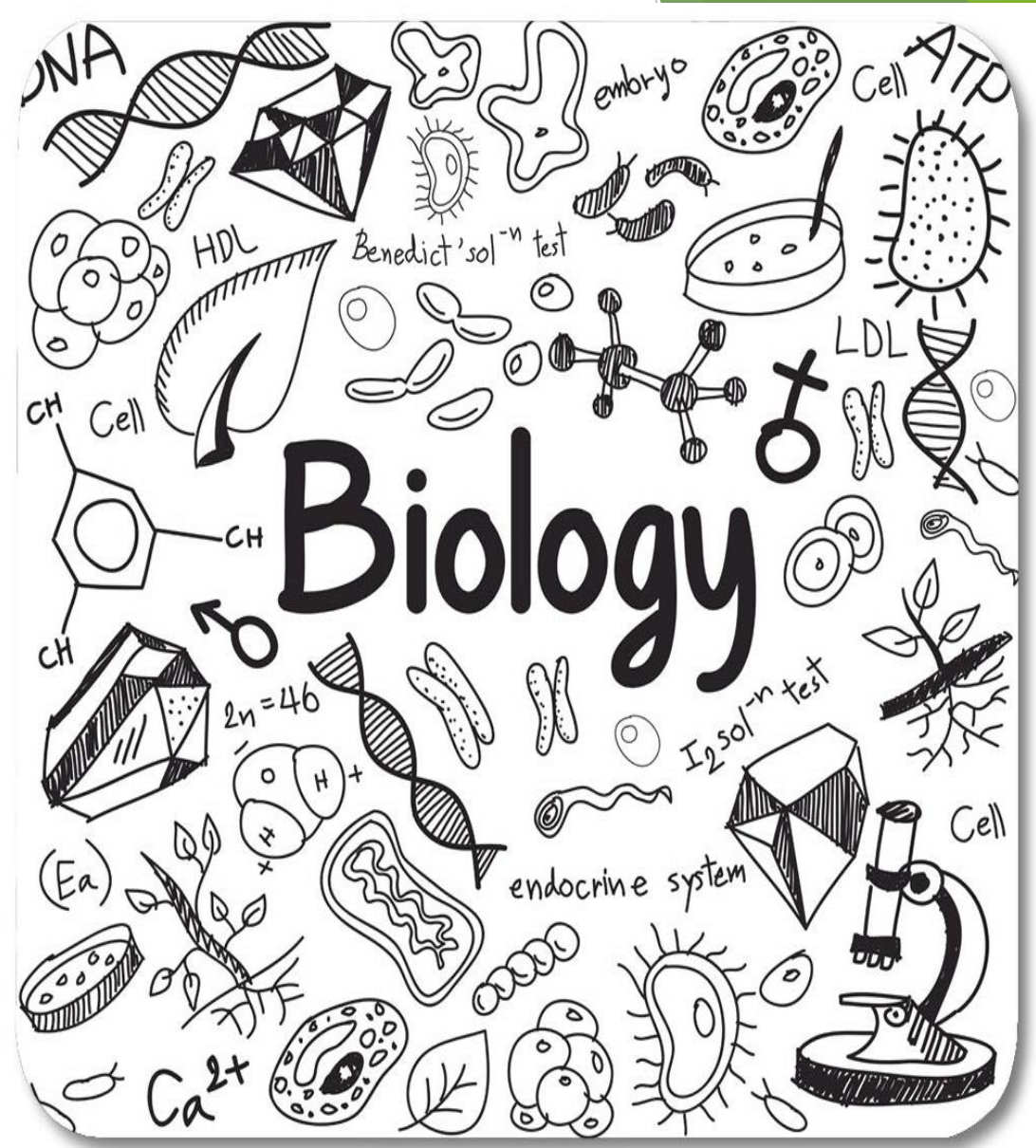


The National
Orthodox School
Shmaisani

Lesson: **Using keys**

Scholastic Year: 2022-2023

Grade: 8 CS



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Objective : Use and construct keys .

Resources :<https://www.youtube.com/watch?v=3x7tulZd4Sw>

Power point

Dichotomous Keys

Keys are used to identify organisms based on a series of questions about their features , Dichotomous means 'branching into two' and it leads the user through to the name of the organism by giving two descriptions at a time and asking them to choose.



cheetah



lion



leopard



caracal

↑ Four African cat species.



cheetah



lion



leopard



caracal

↑ Four African cat species.



leopard



cheetah

cats with spots



caracal



lion

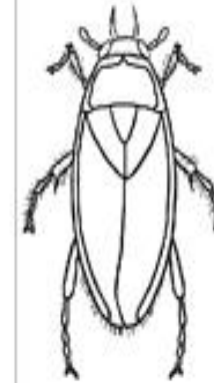
cats with no spots

Check your understanding / Q1

Use the key below to identify invertebrates A to E.



Diving beetle

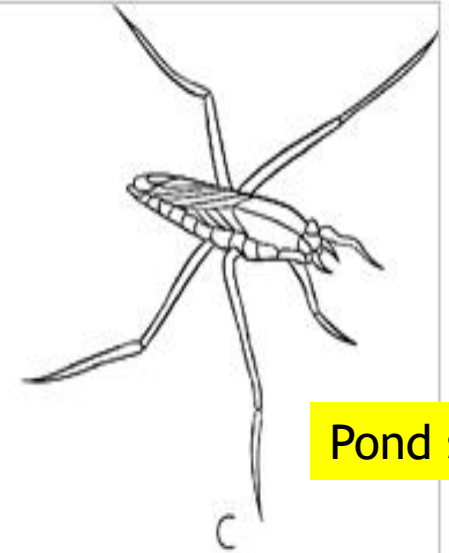


A

Leech

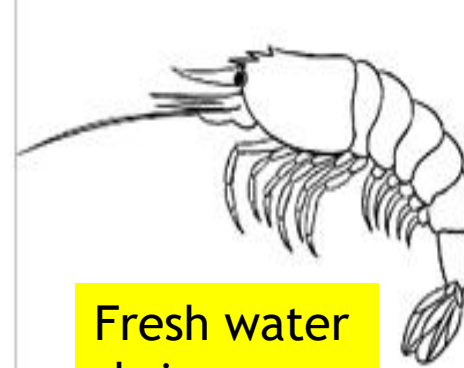


B



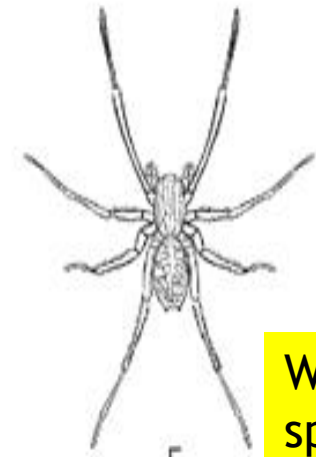
C

Pond skater



Fresh water shrimp

D



Water spider

E

Check your understanding Q3.

How is a numbered key to identify animals A, B, C and D.



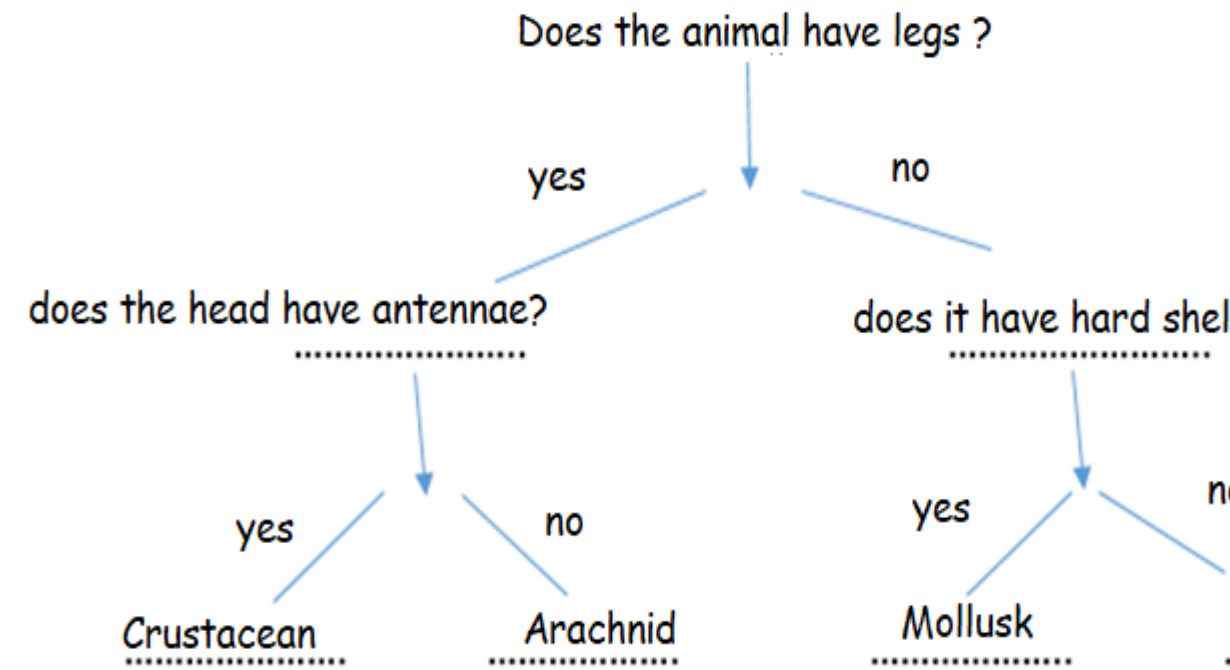
Mollusk

Crustacean

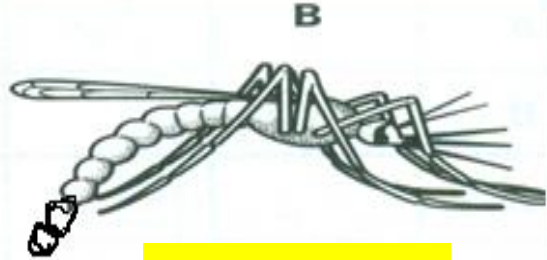
Annelid

a. The animal has legs.	go to 2
b. The animal does not have legs .	go to 3
a. Head has an antennae.	crustacean
b. Head does not have antennae .	Arachnid
a. it has a hard shell .	mollusk
b. it does not have a hard shell .	annelid

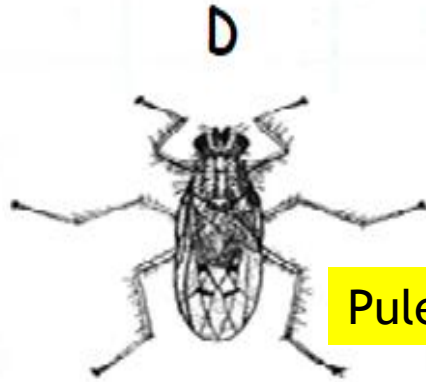
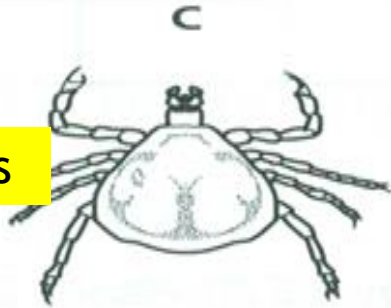
- Turn this numbered key into a branching key .



Check your understanding Q4.



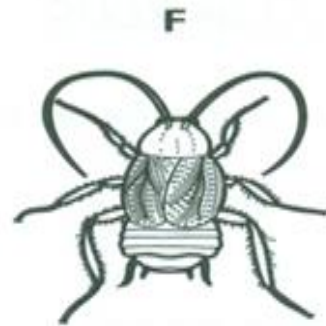
Anopheles



Pulex



Musca



Periplaneta

	arthropod
1 a Wings present	go to 2
b Wings absent	go to 4
2 a Wings shorter than abdomen	go to 3
b Wings longer than abdomen	Musca
3 a Abdomen long and narrow	Anopheles
b Abdomen short and broad	Periplaneta
4 a Has three pairs of legs	go to 5
b Has four pairs of legs	Ornithodoros
5 a One pair of legs shorter than the other pairs	Pulex
b All pairs of legs of similar length	Pediculus