

WORKSHEET

- (1) Why do predators avoid eating Monarch butterfly? How does the butterfly develop this protective feature?
- (2) What is Grause's competitive exclusion principle? Explain with an example.
- (3) Write full equation for Verhulst - Pearl logistic growth curve of population.
- (4) Name the interaction in each of the following-
- Cuckoo lays her eggs in the crow's nest.
 - Orchids grows on a mango tree.
 - Ticks live on the skin of dogs.
 - Sea anemone is often found on the shell of hermit crab.
 - Cuscuta growing on a shoe flower plant.
 - Clown fish living among the tentacles of sea anemone.
 - Sucker fish attached to the shark.
 - Smaller barnacles disappeared when Balanus dominated in the coast of Scotland.
 - Wasp pollinating fig inflorescence.
- (5) Egrets are often seen along with grazing cattle. How do you refer to this interaction. Give reason for this association.
- (6) Why is predation required in a community of different organisms?
- (7) Why are green algae not likely to be found in the deepest strata of the ocean?
- (8) Most living organisms cannot survive at temperature above 45°C . How are some microbes able to live in temp. exceeding 100°C ?

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