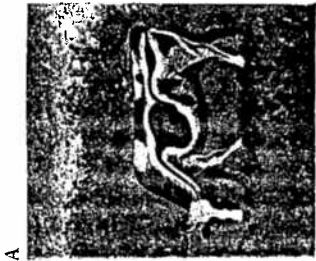


Name: _____ Block: _____

ECOLOGY 10 : RELATIONSHIPS BETWEEN LIVING THINGS

1. A living thing benefits without inconveniencing the other. _____
2. Two living things fight for the same thing. _____
3. Two living things both profit from their relationship. _____
4. A living thing profits by harming the other. _____
5. Birds try to win a mate by showing off their beautiful colours. _____
6. A wolf kills a deer to eat it. _____
7. A fern grows on a tree but does not harm it. _____
8. A duck catches a fish. _____
9. Bacteria live in our stomach and help us digest food. _____
10. Leeches suck blood from your arm. _____
11. Gorillas fight to determine who is the head of the tribe. _____
12. Mites live in your eyebrows eating dead skin. _____
13. Two living things live closely, one may live on or inside the other. _____
14. A thing that gets hunted for food. _____
15. You and your friend elbow each other in the cafeteria lineup. _____
16. Your athlete's foot (fungus) has flared up recently. _____
17. A vine winds up a tree, eventually strangling it. _____
18. An organism that makes its own energy from the sun. _____
19. An organism that eats plants and nothing else. _____
20. A worm burrows into your foot and travels into your lungs where it lives off of your blood. _____

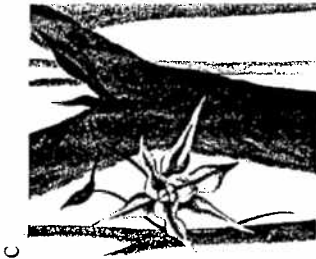
2. Examine each of the following pictures and read the accompanying facts. Identify the type of relationship being exhibited in each case.



A The paunch of a cow is home to a type of bacteria which digests the grass eaten by the cow.



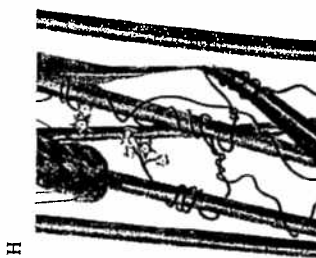
B A remora fish attaches itself to a shark by its sucker. It gets a free ride and shares some of the scraps of food left from the shark's eating.



C Orchids grow on other plants for mechanical support only.



G Small organisms called "protozoa" live inside the body of a termite and digest wood for both the termite and themselves.



H Dodder, with its pale pink flower and no leaves, winds around plants such as wheat, using them as food.



I Ichneumon flies pierce the eggs or larvae of other insects such as white cabbage butterflies, and lay their own eggs inside. The larvae of the ichneumon flies then feed on the eggs or larvae inside which they hatched.



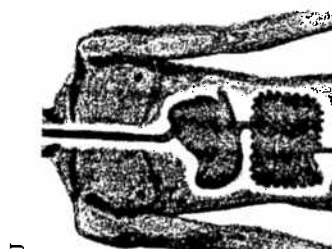
D Lungworms thrive at the expense of the sheep in Jasper National Park.



E Mistletoe grows on other trees such as oak. It gets both support and food and weakens the oak.



F People carry burdock seeds on their clothing when walking through the bush. The seeds are picked off and deposited somewhere else.



J Certain bacteria find a comfortable shelter in the large intestine of humans. They help remove water from indigestible material. They also help produce vitamin K, which is important in blood clotting.



K Barmacles often take trips on whales and end up in a new part of the ocean.



L Certain ants plant molds. Then they gather plant lice, also called "aphids", which feed on the molds. The aphids produce a sweet liquid (honeydew), which they give to the ants when they are stroked.