

NAME: _____ DATE: _____

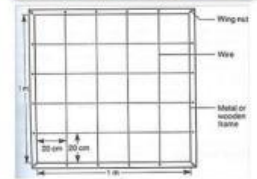
Equipment for Ecological Studies

1. What is an ecological study? _____
2. Why are ecological studies important? _____
3. Match the method of collecting samples to the name.

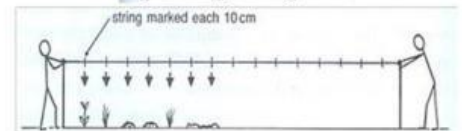
NET



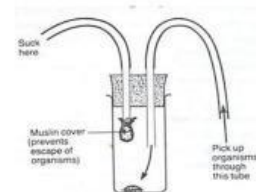
PITFALL TRAP



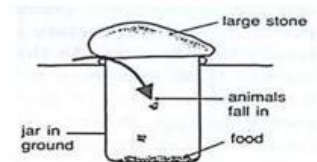
QUADRAT



BELT TRANSECT



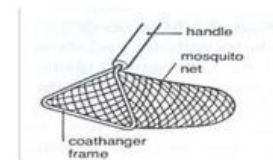
BEATING TRAY



LINE TRANSECT



POOTER



1. What is a line transect used for?
 - a) Collecting plant samples
 - b) Observing animal behavior
 - c) Measuring water quality
 - d) Mapping landforms
3. What is the purpose of a sweep net in ecological studies?
 - a) Collecting insects
 - b) Capturing bacteria
 - c) Sampling soil
 - d) Observing birds
5. Which method would not involve marking a specific area for studying plant populations?
 - a) Line transect
 - b) Belt transect
 - c) Quadrat
 - d) Pooter
7. Which method involves setting up containers in the ground to capture small animals that fall in?
 - a) Belt transect
 - b) Pitfall traps
 - c) Net
 - d) Quadrat
9. Which method is most suitable for studying the distribution of marine organisms?
 - a) Line transect
 - b) Belt transect
 - c) Net
 - d) Beater and net
11. Which method is commonly used to study the population density of insects?
 - a) Line transect
 - b) Belt transect
 - c) Quadrat
 - d) Pooter
13. Which method involves using a tube to collect small organisms for observation?
 - a) Pooter
 - b) Belt transect
 - c) Pitfall trap
 - d) Net
2. Which method is used to study the distribution of organisms along a straight line?
 - a) Belt transect
 - b) Net
 - c) Beater and net
 - d) Quadrat
4. When using a beating tray, what habitat is most likely being sampled?
 - a) Pond
 - b) Tree
 - c) Grassy plain
 - d) Swampland
6. What is a pooter commonly used for?
 - a) Collecting insects
 - b) Measuring water quality
 - c) Observing animal behavior
 - d) Mapping landforms
8. What do line transects and belt transects have in common?
 - a) Both involve the use of nets
 - b) Both are used for observing animal behavior
 - c) Both are used to study plant populations
 - d) Both require the use of a pooter
10. What is the purpose of a quadrat in ecological studies?
 - a) Capturing insects
 - b) Collecting plant samples
 - c) Sampling water
 - d) Observing fish
12. What is the primary purpose of a beater in ecological studies?
 - a) Collecting insects from vegetation
 - b) Measuring soil pH
 - c) Counting bird species
 - d) Sampling water quality
14. What is the function of a pitfall trap?
 - a) Collecting insects that crawl on the ground
 - b) Observing plant growth patterns
 - c) Sampling air quality
 - d) Capturing fish for study