NAME:_____ DATE:_____

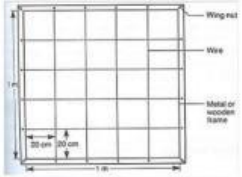
Equipment for Ecological Studies

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

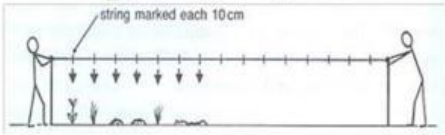
NET



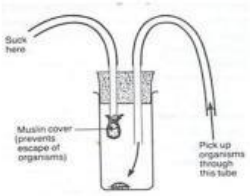
PITFALL TRAP



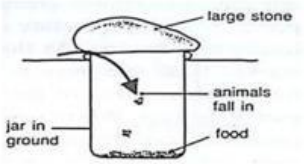
QUADRAT



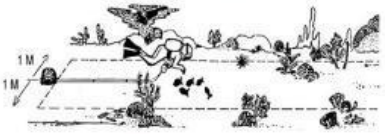
BELT TRANSECT



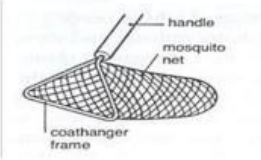
BEATING TRAY



LINE TRANSECT



POOTER



LIVEWORKSHEETS

1. What is a line transect used for?
   a) Collecting plant samples
   b) Observing animal behavior
   c) Measuring water quality
   d) Mapping landforms

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

3. What is the purpose of a sweep net in ecological studies?
   a) Collecting insects
   b) Capturing bacteria
   c) Sampling soil
   d) Observing birds

4. When using a beating tray, what habitat is most likely being sampled?
   a) Pond
   b) Tree
   c) Grassy plain
   d) Swampland

5. Which method would not involve marking a specific area for studying plant populations?
   a) Line transect
   b) Belt transect
   c) Quadrat
   d) Pooter

6. What is a pooter commonly used for?
   a) Collecting insects
   b) Measuring water quality
   c) Observing animal behavior
   d) Mapping landforms

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

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

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

10. What is the purpose of a quadrat in ecological studies?
    a) Capturing insects
    b) Collecting plant samples
    c) Sampling water
    d) Observing fish

11. Which method is commonly used to study the population density of insects?
    a) Line transect
    b) Belt transect
    c) Quadrat
    d) Pooter

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

13. Which method involves using a tube to collect small organisms for observation?
    a) Pooter
    b) Belt transect
    c) Pitfall trap
    d) Net

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

LIVEWORKSHEETS