

Planet Protectors

Answer Sheet

Name(s):

School:

Team Number:

Station 1

- 1.
- 2.
- 3.
- 4.

Station 5

- 1.
- 2.
- 3.
- 4.

Station 2

- 1.
- 2.
- 3.
- 4.

Station 6

- 1.
- 2.
- 3.
- 4.

Station 3

- 1.
- 2.
- 3.
- 4.

Station 7

- 1.
- 2.
- 3.
- 4.

Station 4

- 1.
- 2.
- 3.
- 4.
- 1.

Station 8

- 1.
- 2.
- 3.
- 4.

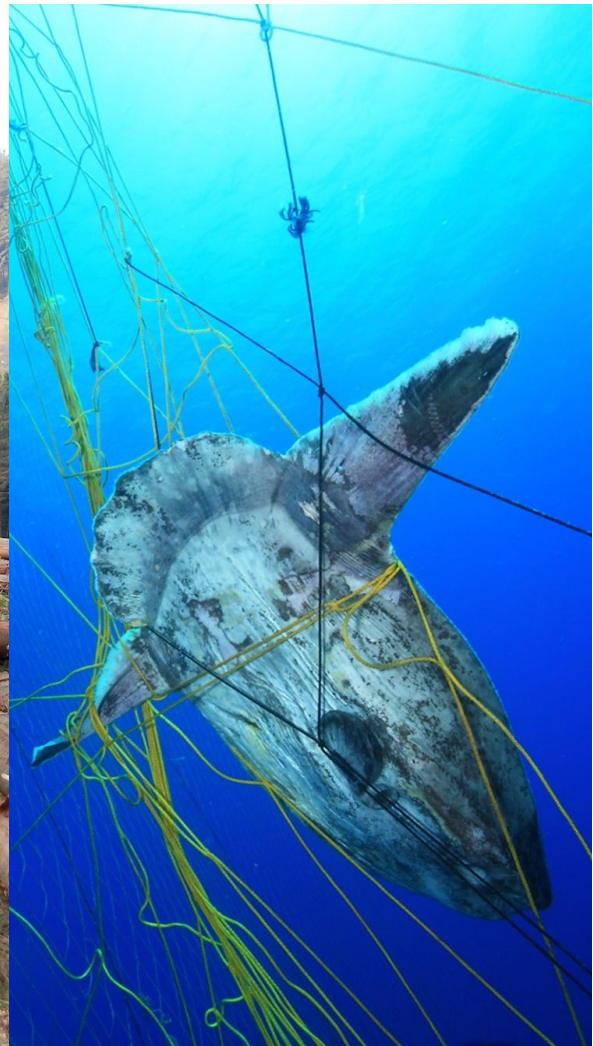
STATION 1 — Helpful Human Interactions

1. Which action best shows reusing?
 - A. Throwing away old jars
 - B. Melting plastic bottles into new ones
 - C. Using an old jar to store pencils
 - D. Composting banana peels
2. Think of a compost bin. Write two items that can go into compost and one item that should not.
3. Recycling helps the Earth by:
 - A. Making more trash
 - B. Reducing the need for new raw materials
 - C. Using more energy
 - D. Making landfills grow
4. Identify one way your school could reduce waste using one of the four R's (reduce, reuse, recycle, repurpose).



STATION 2 — Harmful Human Interactions

1. What is a major consequence of deforestation?
 - A. More homes for animals
 - B. Increased oxygen production
 - C. Loss of habitat for many species
 - D. More shade
2. Look at the bycatch diagram. Describe what bycatch is and why it harms ocean ecosystems.
3. Which action is an example of overconsumption?
 - A. Buying only what you need
 - B. Using reusable grocery bags
 - C. Purchasing far more food than you will eat
 - D. Sharing tools with neighbors
4. Identify one environmental risk of strip mining shown in the picture.



STATION 3 — Renewable vs. Non-Renewable Resources

1. Which is a renewable resource?
 - A. Coal
 - B. Oil
 - C. Wind
 - D. Natural gas
2. Explain why fossil fuels are considered non-renewable.
3. Which resource can be replaced quickly by natural processes?
 - A. Petroleum
 - B. Sunlight
 - C. Natural gas
 - D. Coal
4. Which resources in the pictures do you think should be used more and why?



STATION 4 — Energy Sources

1. Which energy source uses moving air?
A. Solar
B. Wind
C. Biomass
D. Nuclear
2. Look at the hydroelectric dam picture. Describe how water is used to make electricity.
3. Which energy source comes from heat inside the Earth?
A. Solar
B. Nuclear
C. Geothermal
D. Biomass
4. Name one advantage and one disadvantage of solar energy.



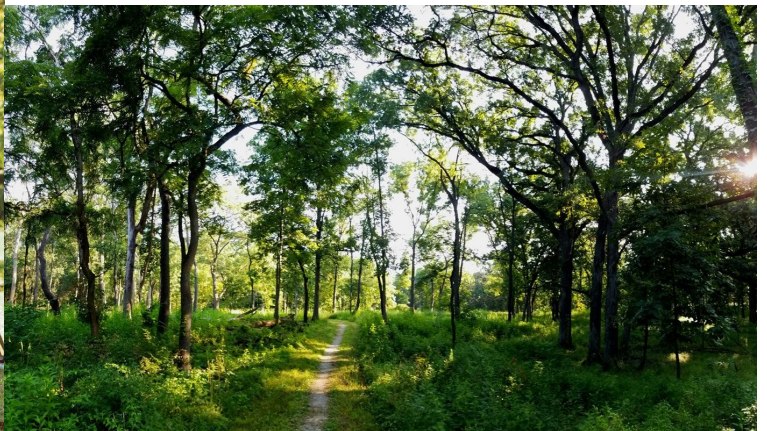
STATION 5 — Types of Pollution

1. Which image shows a point source of pollution?
 - A. River runoff from many farms
 - B. A single pipe releasing waste
 - C. Light from city buildings
 - D. Air pollution from wildfires
2. Identify two ways light pollution affects animals.
3. Groundwater pollution often comes from:
 - A. Clouds
 - B. Underground aquifers
 - C. Chemicals leaking into soil
 - D. Solar panels
4. Write one example each of air, water, and groundwater pollution.



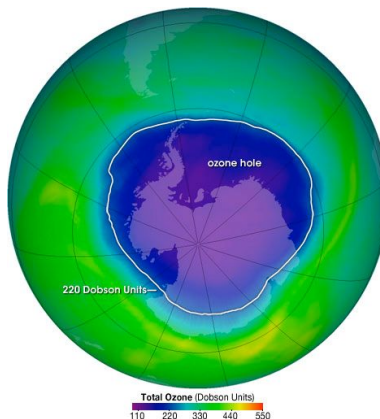
STATION 6 — Conservation Practices

1. Which is a conservation best practice?
 - A. Leaving lights on all night
 - B. Wasting clean water
 - C. Planting native plants
 - D. Throwing trash into a river
2. Describe one habit people can adopt to reduce water use at home.
3. Which practice helps prevent air pollution?
 - A. Burning trash
 - B. Carpooling
 - C. Idling engines
 - D. Using more coal
4. Explain one way protected forests help biodiversity.



STATION 7 — Environmental Consequences

1. What is the Great Pacific Garbage Patch mostly made of?
 - A. Large islands of metal
 - B. Floating plastics and debris
 - C. Oil platforms
 - D. Rocks and sand
2. Look at the coral bleaching image. What causes ocean acidification, and how does it harm marine organisms?
3. Which gas is most associated with climate change?
 - A. Oxygen
 - B. Carbon dioxide
 - C. Nitrogen
 - D. Helium
4. Why does loss of biodiversity make ecosystems weaker?



STATION 8 — Integrated Scenario



Materials: Diagram of a town with a factory pipe, solar panels, a forested area, a river, and a landfill.

1. Which part of the town represents a renewable energy source?
 - A. Factory smokestack
 - B. Landfill
 - C. Rooftop solar panels
 - D. Garbage truck
2. Identify one helpful and one harmful human interaction shown in the diagram.
3. The pipe leading from the factory into the river is an example of:
 - A. Non-point source pollution
 - B. Point source pollution
 - C. Renewable resource
 - D. Composting
4. Suggest one change the town could make to reduce its environmental impact.