Frog World (1st floor)

1. What kind of animal is a frog?

__________________________________________________________________________________

2. How does a frog breathe?

__________________________________________________________________________________

3. Why is the way a frog breathes sometimes a problem for a frog?

__________________________________________________________________________________

__________________________________________________________________________________

4. What can you do to help protect frogs?

__________________________________________________________________________________

__________________________________________________________________________________

Into the Lake (1st floor)

5. An invasive species is a plant or animal that does not belong in the lake AND causes damage to the lake. Name one invasive species that is in Lake Champlain.

__________________________________________________________________________________

6. Is this invasive species a plant or an animal?

__________________________________________________________________________________
7. Ask a staff person in the Resource Room to tell you about some of the invasive not yet in Lake Champlain that you can help “watch out” for. List two of these plants or animals of concern.

_______________________________________________________________________
_______________________________________________________________________

8. What can you do to help keep them out of Lake Champlain?

_______________________________________________________________________
_______________________________________________________________________

Land of Opportunity (top floor)

9. Hiking can damage fragile plants that live on the top of mountains. Why is it so hard for alpine plants to recover once they are damaged?

_______________________________________________________________________
_______________________________________________________________________

10. What can you do to protect alpine plants when you are hiking?

_______________________________________________________________________
_______________________________________________________________________

11. What kind of turtle is endangered in Vermont?

_______________________________________________________________________

12. Why is this turtle endangered?

_______________________________________________________________________
ECHO Opportunities for Stewardship Trek
Grades 2-4
ANSWERS

1. A frog is an amphibian.

2. A frog breathes primarily through its skin.

3. A frog’s thin skin makes them especially sensitive to pollution and temperature changes in their environment.

4. To produce frogs you can: reduce your family’s use of pesticides, herbicides and fertilizers; don’t dump oil, paint or other hazardous materials in your trash or down the drain; brake for frogs on the road; don’t take frogs out of their natural environment.

5. Possible answers include:
   White Perch – animal
   Rusty Crayfish – animal
   Koi or Common Carp – animal
   European Rudd – animal
   Spiny Water Flea - animal
   Water Chestnut – plant
   Eurasian Watermilfoil - plant

6. See above

7. Possible answers include European Frogbit, Asian Clam, Asian Carp, Round Goby, Quagga Mussel, Ruffe

8. Possible answers include:
   a. Inspect and remove aquatic plants from boats
   b. Never dump water from one body of water into another body of water
   c. Do not move plants or animals from one body of water to another body of water
   d. Always dispose of unwanted bait in the trash
   e. Learn to identify invasive plants and animals

9. It is hard for alpine plants to recover once damaged because they have access to limited nutrients (soil is thin), a short growing season, and the thin soil erodes away quickly once the plant roots are gone making it hard for new plants to find a foothold.

10. The Spiny Softshell turtle is endangered in Vermont.

11. The Spiny Softshell turtle is endangered in Vermont due to loss of habitat, disturbed nesting sites and pollution.