

9. Write down 3 animals that use plants and what they use it for. You have 2 minutes.
 10. Some plants spread their seeds with the help of A. wind B. animals C. humans D. All 3

Reflection on the trivia (you can give points if you want):

- Q1. Write down all foods the class came up with; anything left out? *By being our food, plants give us energy.*
Q2. Write down the things the students came up with on the board. Encourage them to think of more, lead them into these directions: houses, furniture, floors, paper, music instruments, Christmas trees and kitchen utensils (wood). Crayons, maple syrup, chewing gum, paint and soap (tree sap; liquid that flows out of trees). Dyes and medicine (tree bark). Oils for medicine and makeup (roots and leaves). Plants are also used to make ropes, clothes, medicines, ...
Q3. *Without trees to cut down a lumberjack would be out of work, furniture is made from wood and without tree sap we would not have chewing gum!*
Q5. *Plants make our air and water clean by breathing in what we breathe out (CO₂) and breathing out what we breathe in (O₂).* (Draw a picture; explain that we breath oxygen in and CO₂ out. Then tell the class that plants breathe CO₂ in and oxygen out!) *What would happen if there were no plants to change CO₂ into oxygen?*
Q6. *Plants help to create rain by sucking up the water from the soil and letting it evaporate from the leaves into the air* (you might want to illustrate this again with a picture!).
Q7. *Dead plant material decomposes to organic matter, Which actually helps other plants to grow!*
Q8. *Tree roots also hold the soil in place so that it is not washed away by wind or water. This keeps fertile soil in place. If there are no plants to keep the soil in place we have erosion. What is a problem caused by erosion?*
Q9. Many animals such as birds, squirrels, raccoons and various insects use plants for shelter and food.
Q10. Some plans make seeds that are spread by the wind. Others cover their seeds with fruit that animals (and us!) can eat. Some seeds are sticky; they stick to fur or our jeans! (draw examples).

Activity, Game, Exercise, Debate, Puzzles, Problem Solving, Role Play(Pt. II or Cont...) ~10-30mins

Tree Spy: What do trees do all day?

Have the students go out in the same groups. Give each group a tree spy observation sheet. Take the class outside (talk about this with the teacher before giving the lesson!), each group picks a recorder. The group should watch a tree for 2 times 5 minutes. The recorder writes down all the activity that the tree is involved in. (e.g. squirrel runs up into the tree and jumps onto a building or birds building a nest.) Include the type of tree and location. Once back in the classroom, ask students to share their results. *Are there things happening that we can't see?*

Contingency, Plan B, extra game or activity (Back up plan) ~5-10mins

Tree Collage

Split up the class into three working groups. Students in the first group will draw or collect pictures (if there are magazines available in the classroom) concerning the relationship between trees and animals. The second group will focus on trees and people. The third group will be concerned with trees and the environment. When the pictures have been collected the groups should assemble them into three poster size collages with titles of their own choice.

Presentation of Findings ~5-15mins

What are some of the things that trees provide for us? Since trees play such an important to our lives, we have to protect them and replant them when they have been cut down.

Review, Conclusion and steps towards continued action ~5-10mins

What do plants need to live? Sun, fertile soil to grow, water, ... *What happens with the animals and with us when plants cannot grow anymore? What can you do to help trees and plants in your neighborhood??*

References

<http://www.borealforest.org/school/trees.htm>

Great work ecoMentor! After use of Lesson Plan revise, add ideas and repeat!