

4-H Virtual Forest Student Activity Sheet

Timberrr!

1. Name four examples of jobs that you might be able to get in the forest industry and supporting businesses.
2. Virginia's forests provide _____ jobs in the forest industry and supporting businesses.
3. Describe what each of these machines does in the timber harvesting process:
 - Feller-buncher -
 - Skidder -
 - Loader -
 - Log truck -
4. Name three characteristics that determine what factory trees will go to.
5. Will harvesting trees cause us to run out of oxygen? Why or why not?
6. Name three benefits of timber harvesting that were mentioned in the module.

4-H Virtual Forest Teacher Answer Sheet

Timberrr!

1. Name five examples of jobs that you might be able to get in the forest industry and supporting businesses.

Answer: Forester, logger, factory worker, and office worker were all mentioned in the module.

2. Virginia's forests provide _____ jobs in the forest industry and supporting businesses.

Answer: 131,762

3. Describe what each of these machines does in the timber harvesting process: feller-buncher, skidder, loader, and log truck.

Answer:

Feller-buncher. In much of Virginia, trees are cut down using the feller/buncher. This machine approaches the tree, grabs onto it, holds it steady, and cuts the tree off at the ground with either a set of powerful shears or a sawhead. The feller/buncher then lays the tree on the ground and proceeds on to the next one.

Skidder. After the feller/buncher lays the trees down in a small pile, a skidder comes along, grabs onto them, and drags the trees to a common area called a log deck or landing. Skidders hold the trees with either a large clamp or a strong cable.

Loader. The machine that loads logs onto a truck is called the loader.

Log Truck. After trees have been processed, they are loaded onto log trucks for transportation to a wood-using mill or factory. Log trucks take logs to different factories.

4. Name three characteristics that determine which factory trees will go to.

Answer: Characteristics such as tree size, species, and quality all help determine which trees will go to which factory.

5. Will harvesting trees cause us to run out of oxygen? Why or why not?

Answer: Many people think that, by cutting trees down, we will run out of oxygen. This isn't true, for three main reasons. First, although trees do contribute oxygen to the atmosphere, most of the earth's oxygen comes from plant-like organisms growing in the ocean and geologic processes. Second, making things out of wood often uses less oxygen than making things out of aluminum, concrete or steel. Last, healthy forests and young, fast growing forests produce more oxygen than declining, unhealthy forests. Removing sick, dying, and overcrowded trees makes more space for vigorous trees which produce a lot of oxygen.

6. Name three benefits of timber harvesting that were mentioned in the module.

Answer:

- Timber harvesting is a necessary and important process for getting trees from the woods to the industries that make many of the products we use every day.
- Timber harvesting is part of an industry that supplies 131,762 jobs to Virginia's citizens.
- Timber harvesting helps us maintain healthy forests by removing sick, dying, and overcrowded trees.