

SOL 4.8 Natural Resources

Natural Resources: a usable supply; naturally occurring substances used by humans



Essential Knowledge

- A. Compare and contrast natural and man-made resources.
- B. Distinguish among rivers, lakes, and bays; describe characteristics of each and name an example of each in VA.
- C. Identify watershed addresses.
- D. Recognize the importance of Virginia's mineral resources including coal, limestone, granite, sand, and gravel.
- E. Understand the importance of natural and cultivated forests in VA.
- F. Describe a variety of soil and land uses important in VA.

Bay

- Bay: an inlet of the sea or some other body of water, usually smaller than a gulf.

Can you name a bay in Virginia?



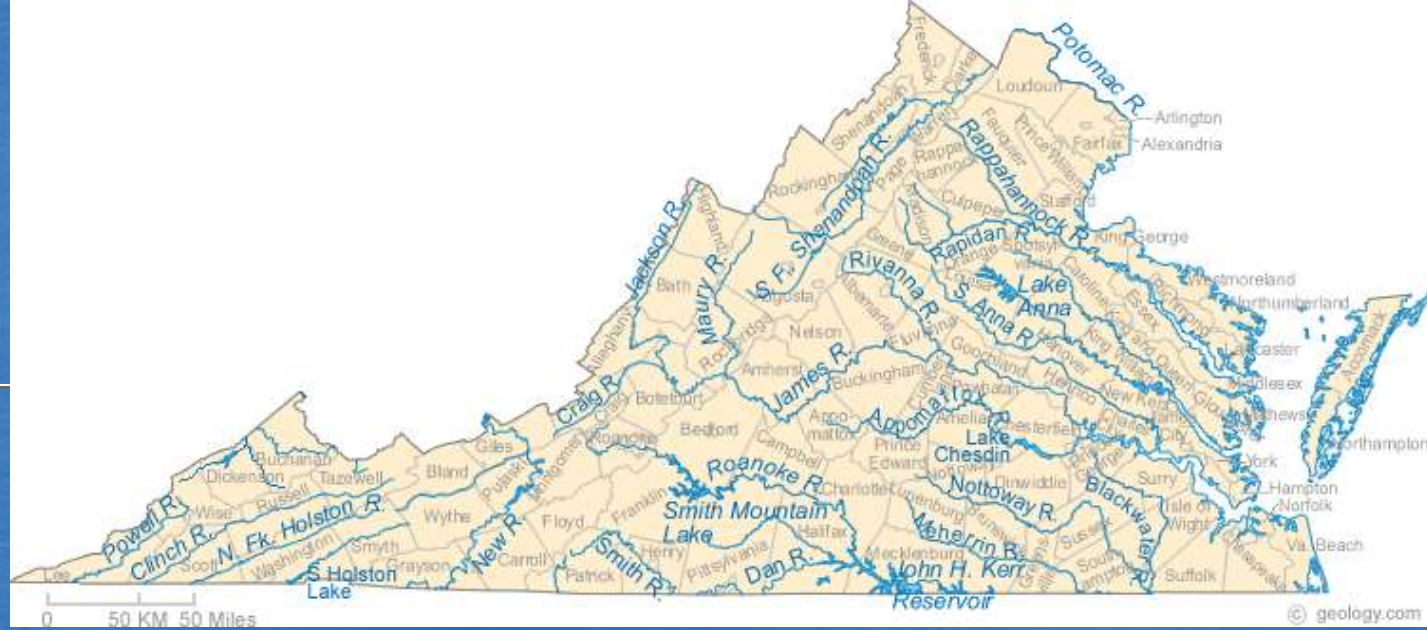


Chesapeake Bay in Virginia

- The Chesapeake Bay is Virginia's largest water resource. Bays are extensions of larger bodies of water, such as lakes or oceans. The Chesapeake Bay is an extension of the Atlantic Ocean and it is salt water.
- It provides large quantities of food in the form of fish, oysters, crabs and other sea animals, as well as a means of transportation by ship and many opportunities for recreation.



Lakes



- A body of water that is usually fresh. An example of a lake in Virginia is Lake Drummond or Smith Mountain Lake. Lakes are considered resources because they provide sources of food, water and recreation.



Lakes in Virginia

- There are about 147 lakes in Virginia! You can see the lakes information on the [Virginia Department of Game & Inland Fisheries](#)

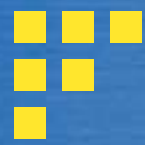




Reservoir

- Reservoir: an artificial or natural lake where water is collected as a water supply
- Nearly all lakes in Virginia are man-made reservoirs, created by dams that block streams and flood land to form a lake.





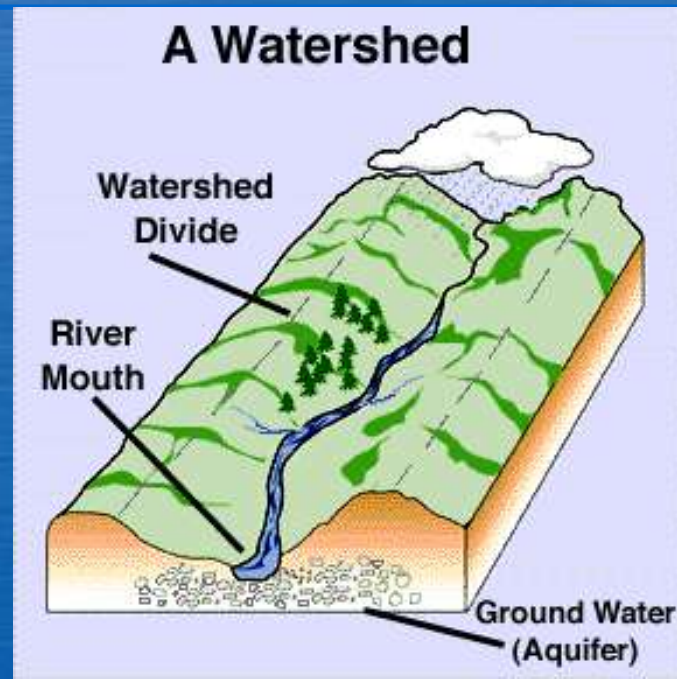
Rivers

- River: a large stream that flows across land.
- What are Virginia's 4 major rivers?
 - James River
 - York River
 - Rappahannock
 - Potomac



Watershed

- Watershed: an area over which surface water flow to a single collection place
- [Watch Watershed Animation Online](#)



Soil

- Arable: farmable land. Rockingham County has a lot of farmable land.
- Cultivate: to prepare land for the raising of crops; to loosen or break up the soil

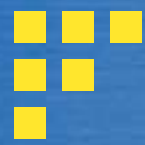




Conservation (Recycling)

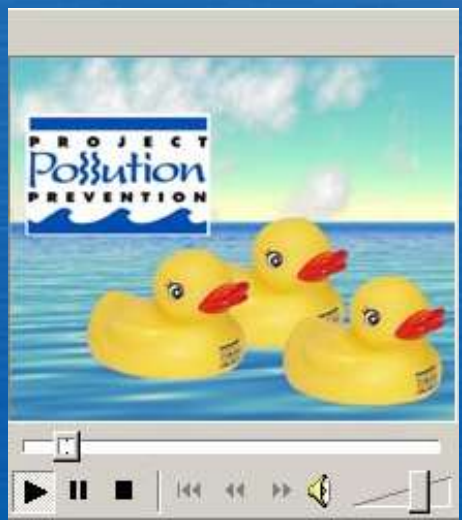
- Conservation: the act of saving, protecting or using resources wisely. This includes reusing or recycling resources.
- What do your parents recycle?
(Paper, bottles, cardboard, cans etc.)





We all live Downstream....

Everything we throw away or dump down the drain effects us. The pollutants flow into the watershed and into the rivers and oceans. The polluted water then evaporates and comes down as rain which we drink. We need to take care of the earth because humans and animals need clean water.



Click on the ducks to watch a short 30 second movie clip on pollution. Works best in Firefox browser!

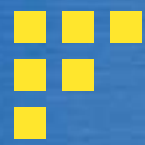


Energy Source

- Energy Source: something that makes or produces energy
- What is our biggest energy source that we have daily?

The Sun is an excellent energy source which provides heat and light daily

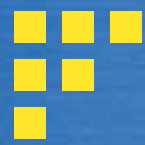




Ore

- Ore: a mineral that contains something of value (gold ore, copper ore, iron ore)

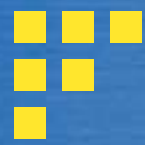




Coal

- Coal: a sedimentary rock made from the compaction of ancient plant material; a fossil fuel





Granite

- Granite: a very hard igneous rock that can be polished and is used in buildings and monuments; most common rock found on earth

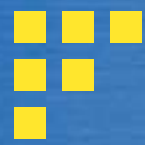




Limestone

- Limestone: a sedimentary rock that is formed mainly by marine animal remains (like shell or coral), consists mainly of calcium carbonate, is used in building, and gives lime when burned

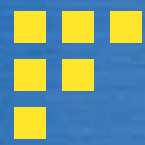




Sand and Gravel

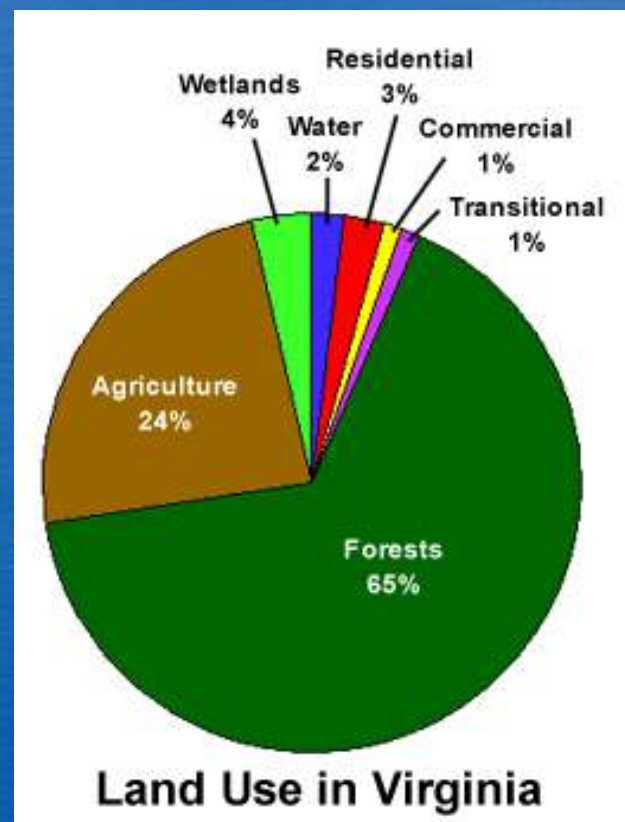
- These are small broken pieces of rock that are used in construction of houses and roads





Trees

- What percentage of Virginia is covered by forests?





Forests

- Most forests are found on land that is not suitable for other uses.
- What are Virginia's two national forests?
 - George Washington
 - Jefferson
- Virginia also has seventeen state forests and the Shenandoah National Park.





Name 1 product of Virginia Forests.....

Lumber for houses
furniture

posts and poles

paper

paperboard (baseball cards, food containers)

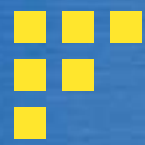
newspaper

cardboard boxes

Christmas trees

clean air





SOL Review of 4.8

- 1. SOL 4.8 Test with multiple-choice answers
- 2. SOLMATE choose 4th Grade Science SOL 8 through 8 on practice mode.