



Envirothon Video Questions

www.wvca.us/envirothon

Instructions

Please complete these questions after viewing each of the four WV Envirothon videos on our website at <https://www.wvca.us/envirothon>, and then please return this fillable PDF with your answers to Heather Duncan at hduncan@wvca.us no later than **April 18, 2022**.

Team Information

Team Name:

School:

Phone:

Teacher/Advisor:

Phone:

Email:

Wildlife

1. What causes melanistic color morphs?
2. How many species of turtles do we have in West Virginia
3. **Two-part question:** Is there an established population of mountain lions in WV?
Where is the closest established population of mountain lions?
4. What is the most common fox in the world?
5. What is the only canine that can climb trees?

Forestry

1. What agency regulates logging in West Virginia?

2. **True or False** - When looking through a clinometer to take a reading you should keep both eyes open.

True

False

3. What is the tool used to measure basal area?

4. Diameter at breast height should be measured how high off the ground?

5. When holding a wedge prism to measure trees basal area, where in the plot should the prism be held?

Soils

1. List the 3 soil particles in order from largest to smallest size?
 - a. Silt, sand, clay
 - b. Sand, silt, rock fragments
 - c. Clay, silt, sand
 - d. Sand, silt, clay
2. Generally, the largest area of a 2-dimensional landform in WV is the?
 - a. Summit
 - b. Shoulder
 - c. Backslope
 - d. Footslope
3. The 10YR page of the soil color book indicates
 - a. A matrix color halfway between yellow and red
 - b. A matrix color containing areas of both yellow and red in the horizon
 - c. A very bright yellow matrix color
 - d. A very dull yellow matrix color
4. For determining texture by feel,
 - a. The sample should be dry
 - b. The sample should be saturated
 - c. The sample should be the consistency of play doh (not too wet or dry)
 - d. The sample should be sieved to remove all sand sized particles
5. Which is not one of the five factors of soil formation?
 - a. Climate
 - b. Topography
 - c. Parent Material
 - d. Living Organisms
 - e. Chemical Pollutants

Aquatics

1. **True or False:** A written test, delineating watersheds on a topographical map, stream evaluation, and benthic macroinvertebrate identification are four of the five aspects of the Envirothon Aquatics test.

True

False

2. **True or False:** Part of the stream evaluation portion of the test is to determine if the habitat is ideal or not, whether or not the streambanks are falling in, and whether the stream is getting sediment or not.

True

False

3. If the site of the Envirothon is in a region of West Virginia where limestone is prevalent, is the pH of the stream more likely to be higher or lower?

4. What is the more scientific name for the "bugs" we want to find in healthy West Virginia streams?

5. When using a topographic map, are ridgetops important to help a student delineate watersheds?