



Written assessment question ideas:

1. What is a watershed? Provide your watershed address, to the finest level of detail that you can.
2. Describe the definitions of point source and non-point source pollution, how they are different, examples of each, and how they impact Virginia's aquatic resources.
3. Your local parks and recreation department has asked for your suggestions for improving water quality in a stream that flows through one of your local parks. The park has mainly mowed grass between the park parking lot and the stream bank, so you want to plant a riparian buffer with native herbaceous plants, shrubs, and trees, but you need to convince the park manager. Provide a bulleted list of at least three ways a riparian buffer could improve the water quality.

Practical assessment activity ideas:

1. Collect a benthic macroinvertebrate sample using standard protocols such as those from Virginia Save Our Streams, and identify at least three orders of benthic macroinvertebrates within the sample collected.
2. Give a 2 minute informal talk about an aquatic natural resources issue (such as stormwater runoff) or about one type of benthic macroinvertebrate (such as freshwater mussels.)
3. Identify one approved project in the chapter that relates to Aquatic Ecology and Management **or** propose an idea for a new project on this topic.

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