

[ED593-J18](#)Marla Brownlee signed in: [Sign out](#) - [Options](#)

## ST: GIS/GPS Essentials for EDGE Project

## Post Workshop Knowledge Check

Hi folks, Please take a few minutes to complete this quiz. We'd like to see how your knowledge increased and also find out what areas we may need to work on in the Fall! Thanks!

1. Planet earth is 4.6 billion years old.

(1 point)

- ☐ True  
☐ False

2. Once water has accumulated in the oceans it remains there.

(1 point)

- ☐ True  
☐ False

3. Gravity causes objects to move the same regardless of composition.

(1 point)

- ☐ True  
☐ False

4. After water percolates into the groundwater system it does not move.

(1 point)

- ☐ True  
☐ False

5. The chemical composition of earth's atmosphere does not change.

(1 point)

- ☐ True  
☐ False

6. Past environmental conditions on Earth can be determined from glacier ice.

(1 point)

- ☐ True  
☐ False

7. GIS is a system of 24-27 satellites orbiting the earth that send position signals enabling precise site location on the Earth's surface.

(1 point)

- ☐ True  
☐ False

8. Thematic Mapping enables the integration of spatial data about a particular subject, like vegetation distribution, into a computer map.

(1 point)

- ☐ True  
☐ False

9. Beaches are called rivers of sand because their sand is often derived from non-wave eroded debris.

(1 point)

- ☐ True  
☐ False

10. Glaciers are called rivers of ice because they flow under the force of gravity, and they erode, accumulate, and transport sediment.

(1 point)

- ☐ True  
☐ False

11. Wave-cut platforms can be formed into wave-cut terraces as a result of isostatic rebound or tectonic forcing.

(1 point)

- ☐ True  
☐ False

12. Northern southeast Alaska is vulnerable to sea level rise due to warming climate.

(1 point)

- ☐ True  
☐ False

13. Ablation refers to the net gain of ice mass each year in a glacier's ice budget.

(1 point)

- ☐ True  
☐ False

14. Fiords (fjords) are deep-sided sea inlets that are drowned glacier troughs submerged by rising sea level.

(1 point)

- ☐ True  
☐ False

15. Ground Moraine is deposited by glacier meltwater and is composed of well-sorted sediments that create well-drained surfaces.

(1 point)

- ☐ True  
☐ False

16. The amount of water on our planet is about 1.38 billion km<sup>3</sup> or 326 million cubic miles and is stored primarily in ice sheets and glaciers.

(1 point)

- ☐ True  
☐ False

17. Sea level is dropping because evaporation exceeds precipitation over the oceans.

(1 point)

- ☐ True  
☐ False

18. A stream beginning at 2000 meters above sea level travels 250 kilometers to the ocean over an average gradient of .008 m/km.

(1 point)

- ☐ True  
☐ False

19. Base level is the lowest elevation to which a stream can erode its channel. This level can be below sea level locally.

(1 point)

- ☐ True  
☐ False

20. Streams carry sediment as dissolved, suspended, and bed loads and the amount of each varies with climate and geologic setting.

(1 point)

- ☐ True  
☐ False

21. The GPS system is an arrangement of computer hardware and software and geographic data that people integrate to analyze and visualize spatial data.

(1 point)

- ☐ True  
☐ False

22. Tree Rings can provide more precise geochronologic information than radiocarbon (C-14) dating.

(1 point)

- ☐ True  
☐ False

23. The arrangement of sedimentary layers in a river's cutbank is such that the oldest layers overlie the youngest layers.

(1 point)

- ☐ True  
☐ False

24. Human activities are now so extensive on Earth's surface that we move more sediment annually than all of the rivers on Earth.

(1 point)

- ☐ True  
☐ False

25. Receding Alaska glaciers have an effect on global coastal communities.

(1 point)

- ☐ True  
☐ False