

**Practice Questions for the 2019 Decathlon
Science: (High School)**

1. Which of the following erosional forces changes Earth's surface most?

- a. Water
- b. Ice
- c. Wind
- d. Sand

2. The most common explanation for the warming temperatures seen on Earth's surface over the last 50 years is

- a. Increased Sun-spot activity
- b. Greenhouse effect due to increasing CO₂ in atmosphere
- c. Increased radiation from radioactive decay within the Earth's Mantle
- d. Volcanic activity increasing atmospheric dust leading to solar interference

3. Alaska is located in the

- a. Equatorial region
- b. Western Hemisphere, but East of Phoenix
- c. Southern Hemisphere
- d. Northern Hemisphere

4. A common risk between of alcohol, drugs, and OTC medicine is

- a. overdose
- b. developing chemical dependency over time
- c. legal troubles resulting from excessive use
- d. all of the above

5. During our winter, the tilt of the Earth is

- a. towards the sun in the Northern Hemisphere
- b. away from the sun in the Northern Hemisphere
- c. larger, about 30 degrees
- d. smaller, about 20 degrees