

Name _____

How Communication Signals Use the Ionosphere

Multiple Choice Questions

1. What does the ionosphere contain that helps bounce radio signals?
 - A. Clouds
 - B. Ice particles
 - C. Charged particles (ions)
 - D. Water vapor

2. What happens when radio signals hit the ionosphere?
 - A. They disappear
 - B. They bounce back to Earth
 - C. They turn into sound waves
 - D. They freeze

3. Why is the ionosphere better for sending signals at night?
 - A. It rains less at night
 - B. There are more clouds
 - C. It's cooler
 - D. It's calmer and scatters signals less

4. What event can disrupt communication signals from space?
 - A. A solar storm
 - B. A thunderstorm
 - C. A hurricane
 - D. A snowstorm

5. How do scientists study the ionosphere?
 - A. With submarines
 - B. With weather balloons and satellites
 - C. With magnifying glasses
 - D. By hiking mountains

