

Name \_\_\_\_\_

## Riding the Waves: Exploring the World of Physics

### Short Answer Key

1. Ocean waves
2. Frequency measures the number of complete wave cycles passing a point in one second.
3. Using ultrasound waves for medical imaging.
4. Amplitude is the maximum displacement or distance that a point on the wave moves away from its resting position.
5. Electromagnetic waves do not require a physical medium to travel because they are generated by the movement of charged particles, such as electrons.

