









# TYPES OF WAVES

- 1 What type of waves travel through a medium?
- 2 What is the measure of a wave's height?
- 3 What Greek letter represents wavelengths?
- 4 What is the highest point of the wave called?

## ANSWER BANK

- |   |  |
|---|--|
|  Amplitude       |  Mechanical |
|  Epsilon         |  Crest      |
|  Trough          |  Frequency  |
|  Electromagnetic |  Lambda     |

Answer the questions using an answer from the answer bank. If the answer is next to a "BLUE" car, press the blue car ON the roller coaster ride BELOW. If the answer is next to a "RED" car, press the red car ON the roller coaster ride. You MUST press the colors of the car in the SAME order as the questions appear.



# TRIVIA ESCAPE

# CIPHER WHEEL

GREEN H = RED S



Click the wheel to spin it until the GREEN H = RED S. Then, decode the GREEN letters below to determine the word they spell in red. Type the answer in the answer box, then click the "CHECK" button.

All waves can be classified as either **B316ZC71ZA** or electromagnetic.

ANSWER →

Amplitude is measured from the wave's resting point to the **E3Z9** of the wave.

ANSWER →

A wave **1N1A3** is one complete wave.

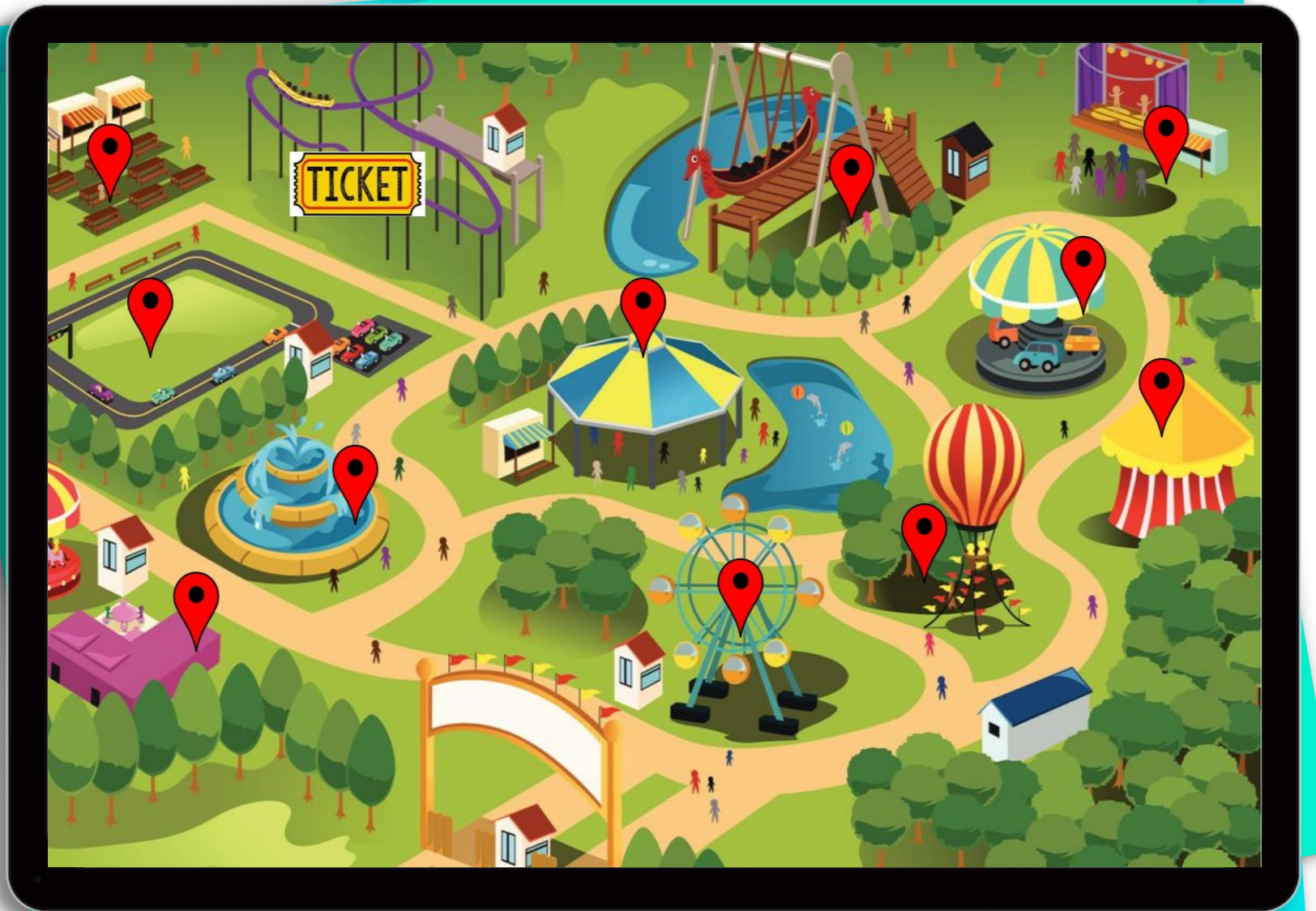
ANSWER →

Waves can be described as **IGZCHK3GH3** or longitudinal depending on direction.

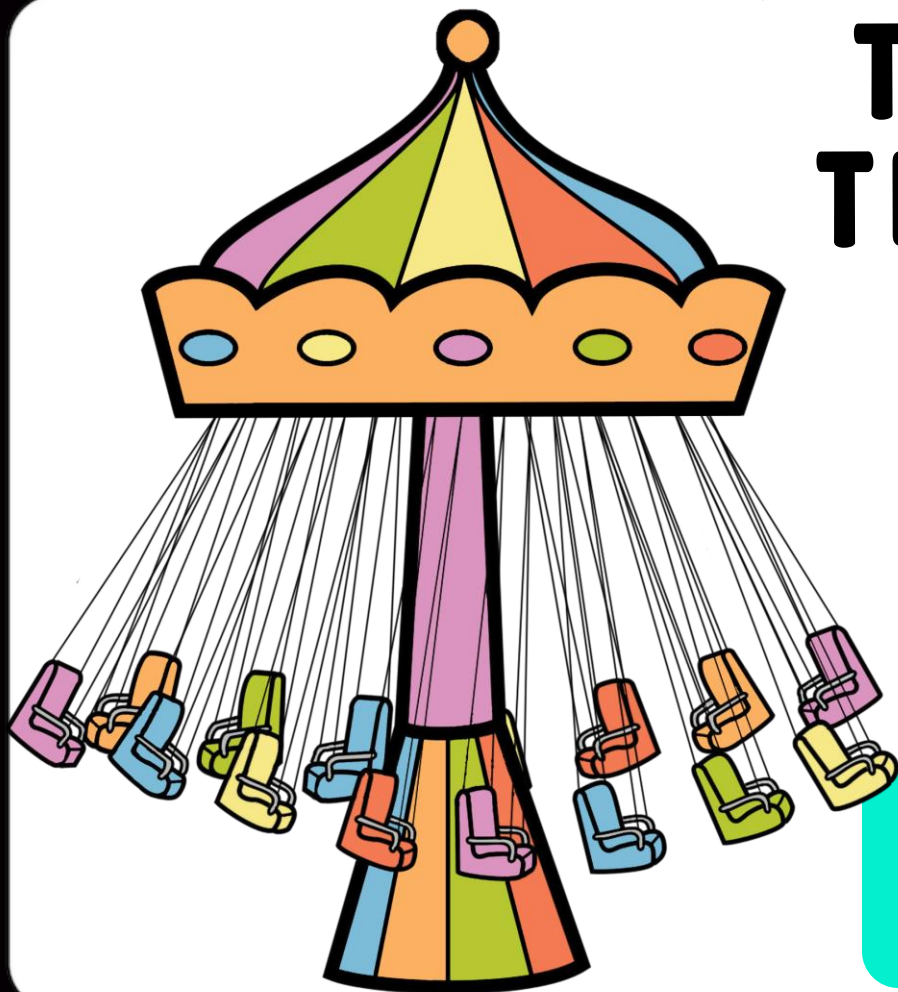
ANSWER →



# 9 CHALLENGES



# TAKE A PEEK!



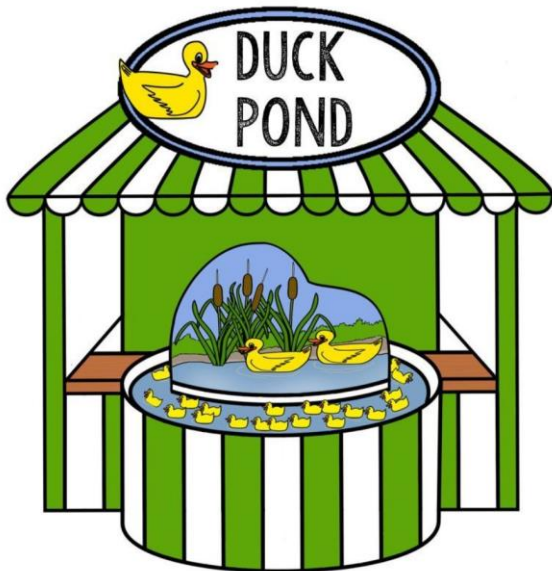
**TEACHER  
TEST SITE**



**CLICK HERE**

# CLICK & BYE

Click on the **FALSE** statements to eliminate them.



Waves are found all around the world from many different sources.

All wave types can be seen.

Waves have properties that are used to describe the amount of energy they have.

Electromagnetic waves cannot travel through empty space and need matter.

A slinky or spring are examples of transverse waves.

The shorter the wavelength, the more energy there is.

An x-ray is an example of sound waves.

Light waves are made up of photons.

The electromagnetic waves with the longest wavelength are gamma rays.



# 35 QUESTIONS

 4 MULTIPLE CHOICE

 4 DRAG AND DROP

 9 TRUE OR FALSE

 4 DECODED FILL INS

 3 CHECK BOXES

 5 MATCHING

 3 DROP DOWN

 3 CIPHER FILL INS

# DROP DOWN

## FOOTBALL THROW

What have the shortest wavelengths and use the most amount of energy?

What are sound waves also known as?

What is it called when a wave changes direction?



Choose your answers from the drop-down, then click the "CHECK" button.

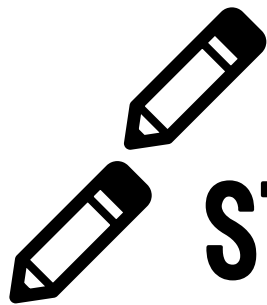


# WHAT'S INSIDE?

- ✓ **TEACHER GUIDE**
- ✓ **9 TRIVIA CHALLENGES**
- ✓ **35 TOTAL QUESTIONS**
- ✓ **FAQ'S**
- ✓ **ANSWER KEY**



# BENEFITS



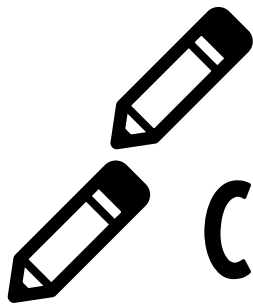
**SELF-GRADING  
STUDENT FEEDBACK**



**PAPERLESS**



**NO PREP**



**SAVES YOU TIME  
CRITICAL THINKING**