

Name:

Date:

Class:

## On the Same Wavelength Worksheet **Answer Key**

**Instructions:** Complete the pattern then find the pieces with the matching pattern. Do this one at a time for every question.

1.  \_\_\_\_\_ **Square, circle, star**

My group's wavelength looks like (glue image here):

**Glue first box here**

2. 14, 17, 20, 23, 26, 29, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ **32, 35, 38 (add 3)**

My Wavelength is about the size of (glue image here):

**Glue second box here**

3. 68, 61, 54, 47, 40, 33, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ **26, 19, 12 (subtract 7)**

Some of the devices that use my wavelength are (glue image here):

**Glue third box here**

4. 42, 44, 36, 38, 40, 32, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ **34, 36, 28 (add 2 then subtract 8)**

My group is the (glue group name here):

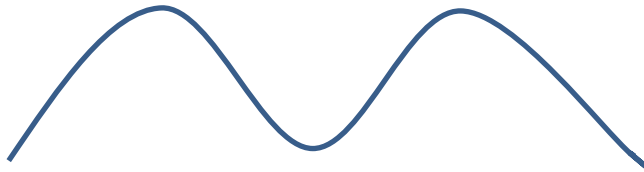
**Glue fourth box here**

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**Instructions:** Cut apart these boxes and paste into the answer boxes above.



32, 35, 38



A building

26, 19, 12

Radios,

Ships,

Televisions

34, 36, 28

Radio Wave Group

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**Instructions:** Complete the pattern then find the pieces with the matching pattern. Do this one at a time for every question.

1.  circle, star, square

My group's wavelength looks like (glue image here):

Glue first box here

2. 19, 23, 27, 31, 35, 39, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 43, 47, 51 (add four)

My Wavelength is about the size of (glue image here):

Glue second box here

3. 94, 83, 72, 61, 50, 39, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 28, 17, 6 (subtract 11)

Some of the devices that use my wavelength are (glue image here):

Glue third box here

4. 20, 23, 14, 17, 20, 11, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 14, 5, 8 (add 3 twice, then subtract 9)

My group is the (glue group name here)

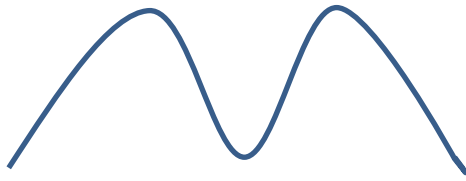
Glue fourth box here

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**Instructions:** Cut apart these boxes and paste into the answer boxes above.



43, 47, 51



A person

28, 17, 6

Cellphones,

Computers,

Wi-Fi routers

14, 17, 8

Microwave Group

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**Instructions:** Complete the pattern then find the pieces with the matching pattern. Do this one at a time for every question.



\_\_\_\_\_

Two stars and a square

My group's wavelength looks like (glue image here):

Glue first box here

2. 24, 30, 36, 42, 48, 54, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 60, 66, 72 (add 6)

My wavelength is about the size of (glue image here):

Glue second box here

3. 92, 87, 82, 77, 72, 67, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 62, 57, 52 (subtract 5)

Some of the devices that use my wavelength are (glue image here):

Glue third box here

4. 45, 50, 38, 43, 48, 36, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ 41, 46, 34 (add 5 twice then subtract 12)

My group is the (glue group name here)


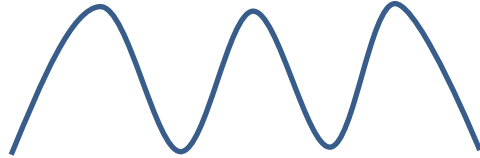

Glue fourth box here

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**Instructions:** Cut apart these boxes and paste into the answer boxes above.

 
60, 66, 72  Protozoans
62, 57, 52 Lightbulbs, Traffic Lights Televisions
41, 46, 34 Visible Light Group