**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.

Square, circle, star

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

Glue first box here

1. 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

1. 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

1. 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

**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 |

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

circle, star, square

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

Glue first box here

1. 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

1. 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

1. 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

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

|  |
| --- |
|  |
| 43, 47, 51  A picture containing table, stool  Description automatically generated  A person |
| 28, 17, 6  Cellphones,  Computers,  Wi-Fi routers |
| 14, 17, 8  Microwave Group |

**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

1. 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

1. 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

1. 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

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

|  |
| --- |
|  |
| 60, 66, 72  A picture containing transport, wheel  Description automatically generated  Protozoans |
| 62, 57, 52  Lightbulbs,  Traffic Lights  Televisions |
| 41, 46, 34  Visible Light Group |