

# RADIO FREQUENCY ALLOCATIONS

NAME

Date

## OBJECTIVES

- To become familiar with the many uses of radio waves in households, government, and in scientific research
- To recognize the diversity of uses for radio waves compared to other parts of the electromagnetic spectrum
- To demonstrate an understanding of frequency by arranging cards in order of lowest to highest
- To evaluate the advantages and disadvantages radio frequencies hold over different area of the spectrum

## GROUP MEMBERS & JOBS

Reader:

Runner:

Speaker:

Captain:

Members can have 2 jobs as needed

## PRE-ACTIVITY: WHAT I KNOW ALREADY

What are the uses you know for radio waves. What is some technology you use that requires radio waves?

## PART 1: CARD SORT ACTIVITY

What are more uses the class is finding for radio waves, according to the cards? List as many as you can!

## PART 2: AFTER THE ACTIVITY

What are some things that surprised you about radio waves as you and your class completed this activity? Be specific!

## REFLECTION: WHAT DOES IT MEAN?

- 1) What does the number of uses and how they are arranged on the spectrum tell you about this resource?
- 2) Is it something we need to be concerned about?
- 3) Where do you think the future of radio frequency technology is headed?