

Name _____ Group _____ Date _____ Class _____

Satellites: Earth from Space

How do satellites use waves to send, receive and collect data?

PART ONE

1. Summarize the reading about satellites.

Section Heading	Main Idea (your own words)	Questions I have or things I wonder

PART TWO

2. What kind of data do satellites collect? Go to NASA Earth Observations (NEO) website: <https://neo.sci.gsfc.nasa.gov/>

- Spend a few minutes exploring the website. What do you notice or wonder?
- Read the “About” section. What is NASA Earth Observations mission?
- What are the main categories of data? Click on THREE out of the FIVE main categories. Write the category below and the title of THREE datasets.

Category:

1.

2.

3.

Category:

1.

2.

3.

Category:

1.

2.

3.

3. Click on one dataset in each of the three categories and complete the charts below.

Category One:

Dataset:

- Satellite and/or tool that collected the data
- Data interpretation (e.g., unit of measurement, map trends)
- How is the data used (e.g., what can the data tell us about our planet)
- Observations or questions you have

Category Two:**Dataset:**

- Satellite and/or tool that collected the data
- Data interpretation (e.g., unit of measurement, map trends)
- How is the data used (e.g., what can the data tell us about our planet)
- Observations or questions you have

Category Three:**Dataset:**

- Satellite and/or tool that collected the data
- Data interpretation (e.g., unit of measurement, map trends)
- How is the data used (e.g., what can the data tell us about our planet)
- Observations or questions you have