

# Image Analysis: Notice & Wonder

**Directions:** Look at the image and write down 3 things you **notice** (key details, main ideas, or themes) and then write down 3 things you **wonder** (questions you have because of the image or things you are curious about when you look at the image).

What  
do you  
notice?



What  
do you  
notice?

# Read & Take Notes



**Directions:** Read the passage below. Take notes in the space provided.

Isaac Newton was born in England on Christmas Day in 1642. He was a very small baby and people didn't think he would live. He was born into a time when England was having a civil war and many people were afraid of the plague. When Isaac was three years old, his mother married a man from another town and left Isaac with his grandmother. He didn't like his stepfather and wanted to burn his house down.

Isaac went to school in Grantham and loved to learn about math and science. He even made a special sundial that told the time very accurately. Isaac's uncle and teacher knew he was very smart and should go to college. In 1661, Isaac went to Trinity College in Cambridge. He learned from a teacher named Isaac Barrow who helped him understand math and science.

When the plague came to Cambridge, Isaac had to go home. He stayed home for two years and thought about math and science. He learned about gravity, light, and how to do calculus. He was a very smart man!

Take Notes Here

# Key Vocabulary

**Directions:** For each term, use the word in a sentence that shows you understand its definition. Then create an image to represent the term. Be ready to explain the image.

## Vocabulary Term

**discoveries**

*noun*

Something new that is found out or learned about.

## Use It In A Sentence:

## An Image to Represent It:

## Vocabulary Term

**gravity**

*noun*

The force that pulls everything towards the center of the Earth.

## Use It In A Sentence:

## An Image to Represent It:

## Vocabulary Term

**famous**

*adjective*

Well-known and admired by many people.

## Use It In A Sentence:

## An Image to Represent It:

## Vocabulary Term

**scientist**

*noun*

A person who studies science and learns about the world.

## Use It In A Sentence:

## An Image to Represent It:

## Vocabulary Term

**sundial**

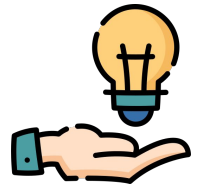
*noun*

A tool that tells time by using the sun's shadow.

## Use It In A Sentence:

## An Image to Represent It:

# 3-2-1 Learning Reflection



**Directions:** Fill in the boxes below to reflect on your learning. Write down **three** new things you learned, **two** connections you made to what you already know, and **one** thing you want to learn more about.

**3 THINGS I LEARNED**

**2 CONNECTIONS I MADE**

**1 THING I WANT TO LEARN MORE ABOUT**

# Answer and Explain

**Directions:** For each question, answer the question and then explain why you picked the answer you did using specific evidence from the text.

**Question:**

1. What did Isaac Newton make that told the time?

**Pick the Answer**

- A) A clock
- B) A sundial
- C) A calendar
- D) A telescope

**Explain: Why did you pick that answer?**

**Question:**

2. What did Isaac Newton learn about when he was home during the plague?

**Pick the Answer**

- A) How to build a house
- B) How to play the piano
- C) How to do calculus
- D) How to ride a bike

**Explain: Why did you pick that answer?**

**Question:**

3. Where did Isaac Newton go to college?

**Pick the Answer**

- A) Oxford University
- B) Cambridge University
- C) Harvard University
- D) Yale University

**Explain: Why did you pick that answer?**

# Short Answer Questions

**Directions:** Answer each question in complete sentences. Use specific evidence from the text in each response.

**Question**

1. Where did Isaac Newton go to school?

**Question**

2. What did Isaac Newton make that told the time?

**Question**

3. What did Isaac Newton learn about while he was home during the plague?

# Reflect and Discuss

**Directions:** Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

1. Think about a time when you learned something new that was really exciting. What did you learn? How did you feel when you learned it?

**Write Your Response Here.** Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

**Directions:** When instructed, you will share your responses with your group. Take notes on their responses in the boxes below. Be sure to write their names at the top of each box.

**Student #1:** \_\_\_\_\_

**Student #2:** \_\_\_\_\_

**Student #3:** \_\_\_\_\_

**Student #4:** \_\_\_\_\_

# Reflect and Discuss

**Directions:** Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

2. Have you ever had a teacher who helped you learn something important? What did they teach you? How did they help you?

**Write Your Response Here.** Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

**Directions:** When instructed, you will share your responses with your group. Take notes on their responses in the boxes below. Be sure to write their names at the top of each box.

**Student #1:** \_\_\_\_\_

**Student #2:** \_\_\_\_\_

**Student #3:** \_\_\_\_\_

**Student #4:** \_\_\_\_\_



# Reflect and Discuss

**Directions:** Respond to the following question using the reading and your own knowledge and experiences. Be as thorough as possible.

**3. Why do you think Isaac Newton is considered such an important figure in history?**

**Write Your Response Here.** Be sure to use what you learned in the reading and your own knowledge and experiences to answer the question thoroughly.

**Directions:** When instructed, you will share your responses with your group. Take notes on their responses in the boxes below. Be sure to write their names at the top of each box.

**Student #1:** \_\_\_\_\_

**Student #2:** \_\_\_\_\_

**Student #3:** \_\_\_\_\_

**Student #4:** \_\_\_\_\_

# Vocabulary Flashcards

Print, cut, and fold to use as flashcards.

**discoveries**

*Something new that is found out or learned about.*

**gravity**

*The force that pulls everything towards the center of the Earth.*

**famous**

*Well-known and admired by many people.*

**scientist**

*A person who studies science and learns about the world.*

**sundial**

*A tool that tells time by using the sun's shadow.*