

Thank you for purchasing my Rotation versus Revolution Foldable! I hope your students find it as enjoyable, engaging, thought-provoking and fun as mine did!

This is a great flippable/foldable for any interactive science journal. So often students forge the difference between a rotation and a revolution. This foldable simplifies it for them and arranges things so that an axis goes with a rotation and an orbit goes with a revolution. It allows students to take notes on key points such as how long it takes to rotate or revolve on the moon and Earth, what is a rotation or a revolution, and why these are important things for the Earth to do.

Page 1: provides an answer key for the inside of the foldable. Everything in red is something that the students should include in their notes during your discussion. **I love to show the clip from ELF of Buddy in the revolving door after and talk about what is actually revolving (Buddy) and what is rotating (the door).**

Pages 2-3 serve as copy masters for the students. Copy pages 2-3 back to back. Then, lay the side with the 8 rectangles face up. Grab the two outer edges and fold into the middle. Then, cut between each word to get four flaps.

Enjoy seeing students confidently distinguish a rotation from a revolution!

Sincerely,

Aleisha Boehm

A Revolution

A **revolution** is when one **object** in space **revolves** or **goes** around another **object** in **space**.

The **revolution** of the **Earth** is one cause of the **seasons**.

Earth

The Earth takes **one year** or **365.25 days** to **revolve** around the **sun**.

Moon

The moon takes **27 days** to **revolve** around the **Earth**.

Earth

The Earth takes **24 hours** or **one day** to **rotate** on its **axis**.

Moon

The moon takes **27 days** to **rotate** on its **axis**.

A Rotation

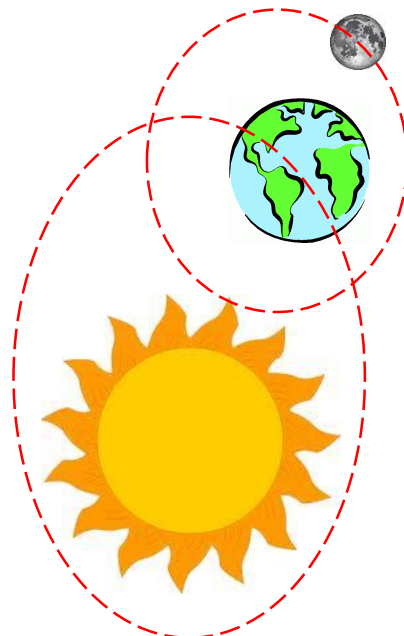
A **rotation** is when an **object** in space **turns** or **spins** in one place around an **axis**.

The **rotation** of the **Earth** causes us to have **day** and **night**.

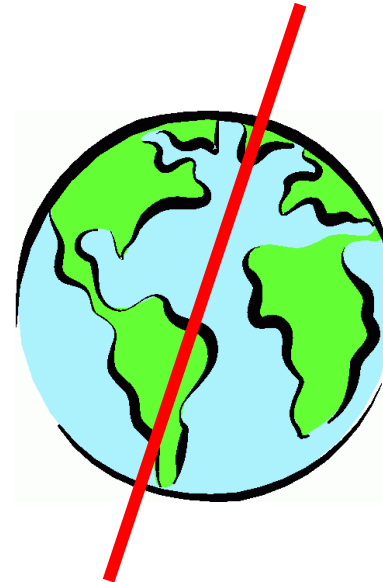
An Orbit

An **orbit** is the **path** that an **object** travels on while **revolving**.

The Earth's **orbit** is around the **sun**, while the moon's **orbit** is around the **Earth**.



Draw the orbits of the objects above.



Draw the Earth's axis above.

An Axis

An **axis** is the **imaginary line** running from the **top** to the **bottom** of an **object**.

An **axis** is the **point** around which an **object** rotates.

A Revolution

A _____ is
when one _____ in
space _____ or
_____ around
another _____
in _____.

The _____ of
the _____ is one
cause of the
_____.

Earth

The Earth takes
_____ or
_____ to _____ around
the _____.

Moon

The moon takes
_____ to
_____ around the
_____.

Earth

The Earth takes
_____ or
_____ to _____ on its
_____.

Moon

The moon takes
_____ to
_____ on its
_____.

A Rotation

A _____ is
when an _____ in
space _____ or
_____ in one place
around an
_____.

The _____ of
the _____ causes
us to have _____
and _____.

An Orbit

An _____ is the
_____ that an
_____ travels on
while
_____.

The Earth's _____ is
around the _____,
while the moon's
_____ is around the
_____.



Draw the orbits of the objects
above.



Draw the Earth's axis above.

An Axis

An _____ is the
_____ running
from the _____ to
the _____ of an
_____.

An _____ is the
_____ around
which an _____
_____.

