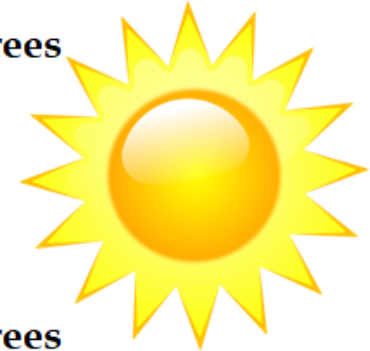


Integrating Song and Drama_ Teaching the Earth, Sun, & Moon with Jody Hodges

They Might Be Giants Songwriters: Hy Zaret/ Lou Singer

Sing - The sun is mass of incandescent gas, a gigantic nuclear furnace
Where hydrogen is built into helium at a temperature of millions of degrees
Yo ho it's hot, the sun is not a place where we could live
But here on earth there'd be no life without the light it gives
We need its light, we need its heat, we need its energy
Without the sun, without a doubt, there'd be no you and me
The sun is mass of incandescent gas, a gigantic nuclear furnace
Where hydrogen is built into helium at a temperature of millions of degrees



Say - The sun is hot

Student #1 - *It is so hot that everything on it is a gas - iron, copper, aluminum and many others.*

Say - The sun is large

Student #2 - *If the sun were hollow, a million earths could fit inside and yet the sun is still only a middle-sized star.*

Say - The sun is far away

Student #3 - *About 93 million miles away, and that's why it looks so small.*

Sing - And even when it's out of sight, the sun shines night and day

The sun gives heat, the sun gives light, the sunlight that we see

The sunlight comes from our own sun's atomic energy

Student #4 - *Scientists have found that the sun is a huge atom-smashing machine.*

The heat and light of the sun come from the nuclear reactions of hydrogen, carbon, nitrogen and helium.

Sing - The sun is mass of incandescent gas, a gigantic nuclear furnace

Where hydrogen is built into helium at a temperature of millions of degrees

Integrate SONG and DRAMA for Vocabulary

Earth, Moon, and Sun in Motion by Jody Hodges

Tune of "The farmer in the Dell"

Groups of 3 students/3 balls representing Earth, sun, moon

Place Sun in center with Earth facing. (Insert great joke here)

The Earth turns around,

The Earth turns around.

Rotation causes **night** and **day**,

The Earth turns around.

The moon goes 'round the Earth

The moon goes 'round the Earth

His **revolution** takes a **month**

The moon goes 'round the Earth

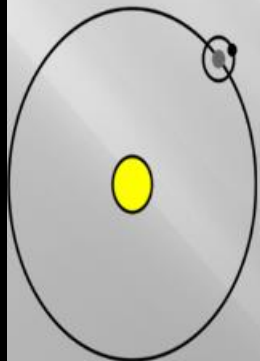
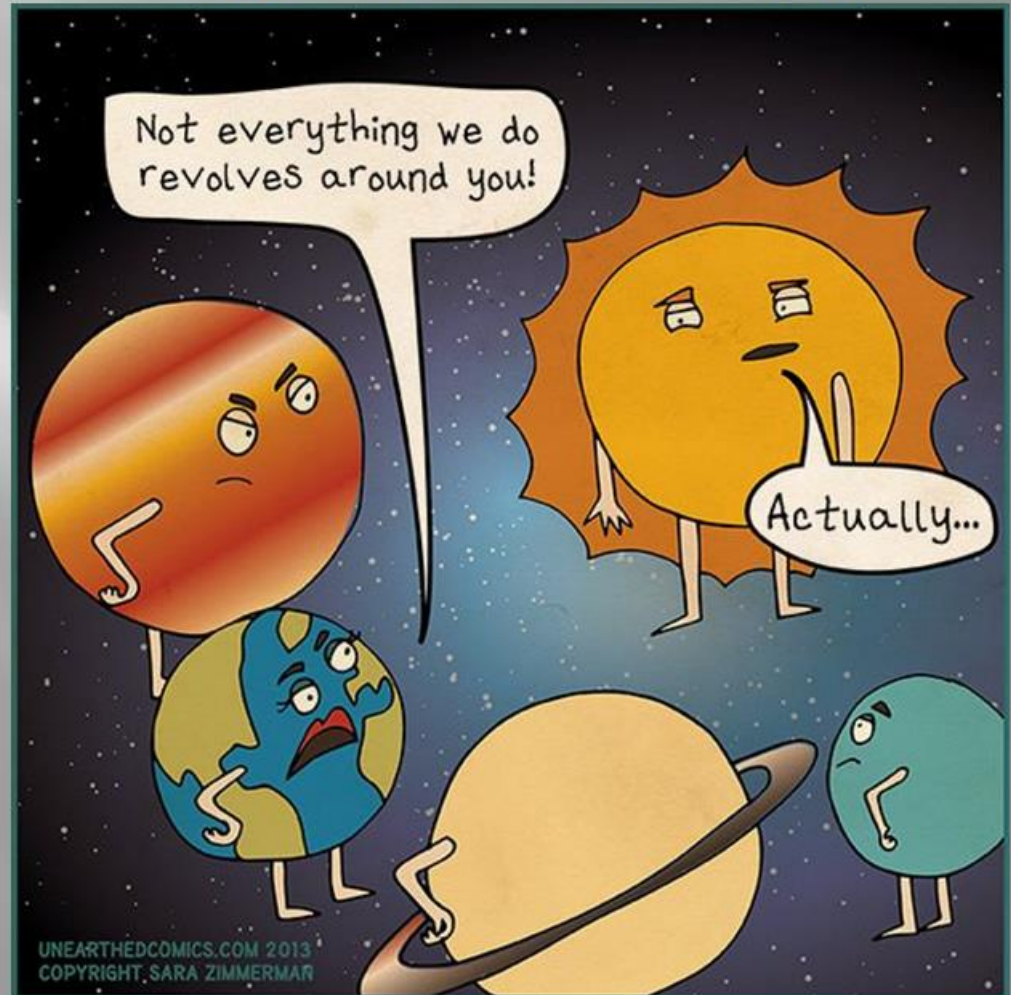
The Earth goes 'round the sun,

The Earth goes 'round the sun.

Her **revolution** takes a **year**,

The Earth goes 'round the sun.

The SUN IS a MASS OF INCANDESCENT GAS



Waxing or Waning

To the tune of "When you're Happy and You Know it"



When the light is * on the right it's getting bright
Snap Snap (say "wax wax")

When the light is * on the right it's getting bright
*Snap Snap (say "wax wax")

When the light is * on the right
The moon is getting bright

When the light is * on the right it's getting bright.
*Snap Snap (say "wax wax")

*Could add right-hand waxing motion with the words "on the right".

How can you tell a waxing moon from a waning moon?

Sing this song! To the tune of
"When you're Happy and You Know it"

**When the light is on the right
it's getting bright**

Clap clap

**When the light is on the right
it's getting bright**

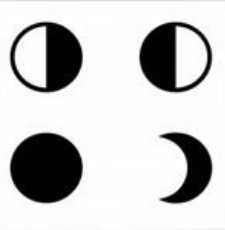
Clap clap

**When the light is on the right
The moon is getting bright**

**When the light is on the right
it's getting bright.**

Clap clap





The Moon By Mary Barrett (Tune of Yankee Doodle)

The Moon is really just one size,
It always stays the same,
But here on Earth before our eyes,
We see it **wax** and **wane**.



New Moon

The **new moon** we don't see at all,
But then there is a sliver;



The **crescent moon** is what we call
This slice that is a sliver.



The light grows larger every day
Exactly as it ought'er,
But logic tells us we must say
What looks like half is **quarter**.



And then there's **gibbous** on its way
To **full**, the *brightest face*,
Then swiftly, it begins to **wane**
'Til gone without a trace.



These changes happen every night;
Each month we see each phase
The moon intrigues us with sunlight
It truly does amaze.

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