

9-11-18

In the “Human Wave” activity what happens when someone puts their hand down from the shoulders of the person in front of them?

9-12-18

How can we tell there has been a transfer of energy?

9-13-18

Explain what a Mechanical wave is and what an Electromagnetic wave is.

9-14-18

Draw and label 4 parts of a transverse wave.

9-18-18

Explain how waves change direction when they move from one material into another?
(from air to water or water to air)

9-19-18

Under what conditions would more diffraction of a wave occur?

9-20-18

Explain how Constructive Interference works with waves.

9-21-18

Frequency=Velocity/Wavelength

What is the frequency of a wave with a velocity of 600m/s and a wavelength of 2.0m?

9-25-18

Write "Test" on Tuesday and use the time to review for the test.

9-26-18

Sound waves are compressional waves produced by?

9-27-18

Explain why sound travels faster through a solid.

9-28-18

Explain why a sound wave cannot travel in a vacuum (space).

10-2-18

Define resonance.

10-3-18

Draw and label as many parts of the human ear as you can.

10-4-18

How might listening to music, with headphones, turned up loud result in hearing loss?

10-5-18

Explain the Doppler Effect.

10-9-18

Use a book to help you to explain how the wavelength of a sound wave affects the diffraction of the sound wave through an open window.

10-10-18

How does echolocation work?

10/11/18

If sound travels at 1490m/s in salt water and it takes the sonar ping 10seconds to be heard, how far away is the object in the water?

10-12-18

What is your favorite sound, made in nature and why?

10-16-18

What determines the natural frequencies?

10-17-18

What are two thing you can do to change the pitch of a stringed instrument.

10-18-18

What vibrates to produce sound in:

-voice

-saxophone

-ukulele

10-19-18

Explain how you can change the pitch of a woodwind or brass instrument.

10-23-18

As air becomes warmer, how does the speed of sound in air change?

10-24-18

Define:

Fundamental Frequency-

Natural Frequency-

10-25-18

What is your best advice to a classmate on how to study for the test.

10-26-18

Write Test on your warm up paper and review before we start.

10-30-18

What type of waves do not need matter to transfer energy?

10-31-18

Define radiant energy.

11-1-18

Light from stars other than the Sun, like the Alpha Centauri, takes _____ to reach Earth. What is the speed of light?

11/2/18

Unlike sound waves, electromagnetic waves can travel in empty space. What evidence supports this statement?

11/6/18

List an everyday use for:

Radio Waves

Microwave Waves

Infrared Waves.

11-7-18

Explain why ultraviolet radiation is more damaging to living cells than infrared waves.

11-8-18

List all seven electromagnetic waves in order from lowest to highest frequency.

11/9/18

What three types of information does GPS receiver provide?

11/13/18

What is the difference between transparent and translucent.

11/14/18

What causes light to bend?

11/15/18

Explain why the objective lens of a refracting telescope is much larger than the objective lens of a compound microscope.

11/16/18

No warm up for today, write “REVIEW” in the box and turn in. Then get a “review part 2” paper from my desk and start working on it.

2nd Trimester

11/27/18

List one thing you know about cells and one thing you want to learn about cells.

When you finish warm up question get your science notebook.

11/28/18

List three characteristics that something has to have in order for you to consider it to be “alive”.

11-29-18

Are the following things “Alive” or “Not Alive”?

-Muscle cell

-Algae

-Cell Phone

-Pine Cone

11-30-18

How many cells do you think are in the human body?

12/4/18

What are some internal stimuli living things respond to?

12/5/18

Describe what each of the two words identifies in binomial nomenclature.

12/6/18

What are the 7 levels used in classification of organisms?

12/7/18

In what two groups can cells be separated?
And how are they different?

12/11/18

Describe how cells, tissue, organs and organ systems are related.

12/12/18

What is the difference between a rough ER and a smooth ER?

12/13/18

Name one thing that is the same about plant and animal cells and one thing that is different about them.

12/14/18

What is the function of the cell membrane?

12/18/18

Describe how viruses multiply.

12/19/18

What is a Vaccine?

12/20/18

Who first concluded that all animals are made of cells?

12/21/18

Write Merry Christmas and Happy New Year.

Work on Wanted Poster

1/8/19

What was your Organelle from The Organelle Trail and what is its function?

1/9/19

What are the 3 things you looked at under the microscope yesterday and describe one of them?

1/10/19

Describe and Draw what the onion cells looked like under the microscope.

1/11/19

What is the function of Lipids?

1/15/19

How are diffusion and osmosis different from each other?

1/16/19

Write "NO SCHOOL"

1/17/19

Facilitated diffusion and osmosis are types of? _____

Transport proteins are involved in what?

1/18/19

What is metabolism?

2/5/19

During photosynthesis, plants produce glucose and release what?

2/6/19

When muscles are overworked, soreness is caused by a buildup of what?

2/7/19

What process produces the carbon dioxide that you exhale?

2/8/19

What is the longest phase of a cell's life cycle?

2/12/19

NO SCHOOL

2/13/19

Write the definition for:

Diploid

Haploid

Meiosis

2/14/19

Starting with a diploid cell, how many haploid cells have formed after both phases of meiosis have been completed? And how many chromosomes does each one have?

2/15/19

What did you think of the Banana DNA lab?
Why?

2/20/19

What does DNA stand for?

2/21/19

No School

2/22/19

What are the nitrogen base pairs in a DNA molecule? (List names and letter symbols)

2/26/19

Define: Genotype and Phenotype

2/27/19

Define: Homozygous and Heterozygous

2/28/19

What is the definition of alleles?

3/1/19

What might cause mutations in cells?

3/5/19

Put these things in order as they relate to each other: digestive system, stomach tissue, stomach, stomach cell.

3/6/19

What is an example of a unicellular organism and a multicellular organism?

3/7/19

Write Exam on paper and turn in.

3rd TRIMESTER

3/12/19

Why do you think we change our clocks ahead an hour in the spring (second Sunday in March)?

3/13/19

How far away from the Sun does the Earth orbit?

3/14/19

How would apples fall from trees if the Earth was shaped like a cube?

3/16/18

What is the Earth's

Diameter at equator:

Mass:

Period of revolution:

3/19/19

How many degrees does the Earth spin in:

One Hour-

One Day-

3/20/19

What is the difference between Rotation and Revolution?

3/21/19

During which month does Earth's northern hemisphere experience more hours of daylight?

3/22/19

What is the ecliptic?

Then get notebook and study for Quiz.

3/26/19

What imaginary line, on the Earth, is the Sun directly over on the:

Summer Solstice-

Fall Equinox-

Winter Solstice-

Spring Equinox-

3/27/19

What is the difference between waxing and waning for phases of the moon?

3/29/18

Moon facts true or false:

(Just number and write True or False)

1. The moon is 4.6 billion years old?
2. We see all sides of the moon?
3. The moon is moving away from the earth at a rate of 3.8 centimeters a month?
4. The moon in May is known as the "Flower Moon"?

3/29/19

When a waning crescent moon is in the sky is the sunlit side on the left or right side?

4/9/19

In the phases of the moon when do the waning phases take place and when do the waxing phases take place?

4/10/19

How are Earth, the moon, and the Sun aligned during a lunar eclipse?

(Use words or picture)

4/11/19

How did Maria's form on the moon?

4/12/19

Name the eight phases of the moon?

4/16/19

Why do we always see the same side of the moon?

4/17/19

What order of the 7 objects yesterday did you find most interesting and why?

4/18/19

What is an Astronomical Unit equal to?

4/23/19

Why is Venus's surface temperature so high?

4/24/19

What is an extrasolar planet?