

Name: _____ Period: _____ Date: _____

Notes 2: Our Universe

Directions: Please visit the class webpage and click on the "links" button. There you will find the SPACE header. Under space, you will find the corilating to the topics below. Watch the videos and answer the questions.

Galaxies

- What makes up a Galaxy?

- How many stars are in a Galaxy?

- How many Galaxies in the Universe?

- What kind of Galaxies are there, what Galaxies do we live in, what is it's name?

Red Shift

- Does blue light have shorter or longer wave length? What about red light?

- When something is moving away from us, is the sound/wavelength shorten or elongate? Is this more like blue light or red light?

- What does it mean if an object has red shifted?

- Are galaxies around us Red shifted or blue shifted? What does this tell us about the universe?

Newton's Law of Universal Gravitation

- What is the equation for Universal Gravitation?

- Why doesn't the moon crash into earth like an apple?

- Simply put, what does Newton's Law of Universal Gravitation mean?

what are galaxies

<http://www.youtube.com/watch?v=zCSSaDPxQls>

<http://www.youtube.com/watch?v=eRJvB3hM7K0>

Quasar

<http://www.youtube.com/watch?v=Et9Nnr86dVQ>

Red Shift

<http://www.youtube.com/watch?v=FhfnqboacV0>

<http://www.youtube.com/watch?v=Man9ulEYSgk>

<http://www.youtube.com/watch?v=a3RfULw7aAY>

<http://www.youtube.com/watch?v=3kw4id0NvJ0>

Newton's Law of Universal Gravitation

<http://www.youtube.com/watch?v=HrUTL8Ap2tM>

<http://www.youtube.com/watch?v=Y50HeIUS4tk>