

## Grade 9 Space

### Test Outline

Must know the definition of each of the following:

Planet, Universe, Supernova, Neutron star, The Red Planet, Red Giant, Gas giants (outer planets), terrestrial (inner planets), Ice Giant, Nebulas, Orbital Period, Black Hole, Galaxy, Light (wavelengths and colors), Sun, Comet, White Dwarf, Luminous(sun) VS. Nonluminous (Planets/Moon) , Gravity, asteroid, meteoroid, meteorite , Nuclear Fusion, Light year, Astronomy, Galaxy (and its shapes),Cosmology, Satellite (what is natural one?), Constellations.

Reasons (There are 2- Tilt & Revolution) for our season (describe and use a diagram)

The tail of a comet (how does it form and how it's orbit compare to meteors and asteroids)

Know the order of the planets from closest to the sun to the furthest and describe 2 unique characteristics about each (Can't be position)

Know the three steps to the big bang theory

Diagram of the sun (Must be able to label and tell a point about each part NOT MATCHING)

Orbital period of Earth (1 year or 365 days)  
Earth's Rotation causes Day and night

Name the 2 Space shuttles that exploded and in which years.

Which planets are on either sides of the asteroid belt?

What did the burning steel wool on Bill nye depict?

How do stars and planets compare? (Their make-up and relative distance)