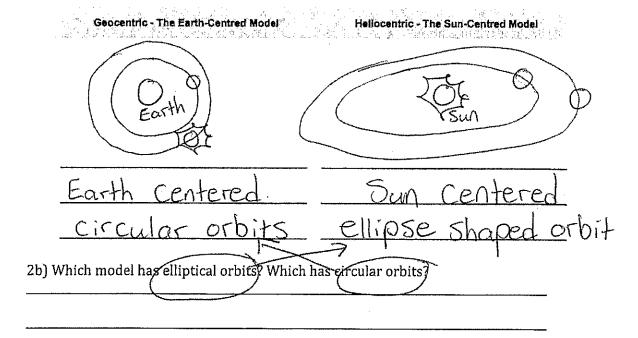
| Space Unit | REVIEW BOOKLET | Name |
|---------------------------------|--|---------|
| 1) Explain what is n Altitude: | neant by each of the following words: | 90 |
| Height | up from groun | d |
| Azimuth: | | 0 |
| Rotati | ion from North | Ň . |
| 30° E | 270° | W E 90° |
| | the sky co-ordinates for the Moon in the illustration above? | |
| | | |

2) Illustrate and explain the different models of the solar system identified below.

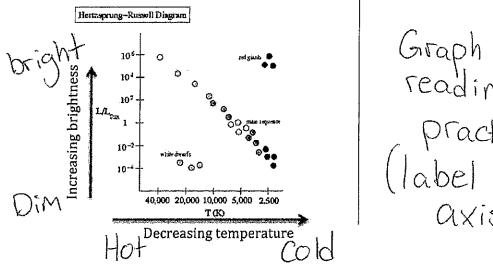


Space Unit

REVIEW BOOKLET

Name

3) Practice reading this graph and answer questions 3 a-c.



3a) What are the two things we are comparing in respect to different stars in this graph? (hint- the axis' of the graph)

1EMP and Drightness than white due

3b) The "red giants" stars are hotter/colder (circle one) than white dwarfs.

3c) The "White Dwarf" stars are brighten dimmer (cincle one) than red giants.

4) What is triangulation? Using Similar Friangles to Find distance to Stars

b) Triangulation is also known as: Parrallax technique

c) Is it best to use a small, or a larger baseline to calculate distance to stars?

larger baseline = More accurate

5) The following technologies all provide information about celestial bodies in our solar system. Define each, and tell what information each one gives us.

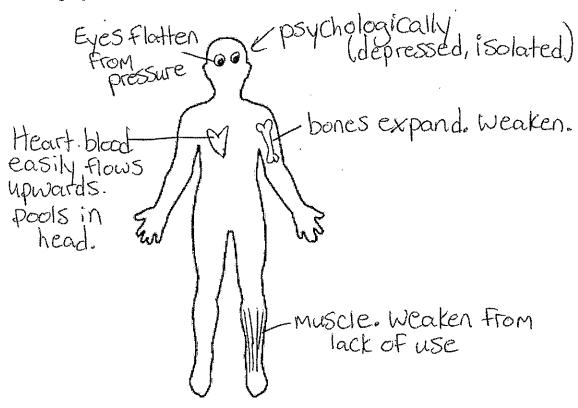
a) light Telescope: <u>Collects light to give</u> info about celestial bodies

| Space Unit | REVIEW BOOKLET Name | |
|-----------------------------------|---|--|
| c) Sp See 3 6) A NE 7) A | ncrease resolving power. Dectral Analysis: Using Spectroscopes Spectral lines in light. Shows a elements are Calaxy is a collection of stars, planets, and other Ours is the Milky Way. | |
| 8) Match up | "How much will it cost taxpayers to establish an outer space to Monetary "Who determines what resources we get on a moon base?" "Should humans test effects of zero gravity on animals?" ——————————————————————————————————— | Perspectives: - Environmental - Political - Ethical - Monetary |
| 1) 6 | the three basic parts that all rockets have? Dayload - What it's carrying Tube - body ambustible - fuel Material - fuel | |

| Space Unit | REVIEW BOOKLET | Name | | | | |
|--|--|--|--|--|--|--|
| telescopes that are used on I | ace Telescope produce cleare Sarth? Space teles k through du | Scope Ucesni | | | | |
| 11) Complete the following t | able about the Terrestrial and METCUTY VENUS Earth Mars | Jupiter Satern Vranus Neptune | | | | |
| Questions | Inner planets | Outer planets 1 | | | | |
| Any natural satellites? (moons- how many?) | Few moons | Many Moons | | | | |
| Density? (high or low) How + ight by Packed particles of | low re | high | | | | |
| Solid or gas surface? | Solid | gas | | | | |
| Size? (small or large) | Small | large | | | | |
| Far or close to sun | Close | Far | | | | |
| Temperature? (cold, warm, or hot) | Warm/hot | Cold | | | | |
| | Cor= Earth | > Earth | | | | |
| d) What large celestial object | separates the terrestrial plan | nets from the Jovians? | | | | |
| | eroid belt | | | | | |
| 12) What is the difference be | <i>t</i> * | - | | | | |
| Revolution (year) - Move around Sun Rotation (day) - Spin on its axis | | | | | | |

| | 13) On April 8, 2014, Mars was visible to the 1 | • | | |
|--|---|-------------------|-----------------|-------|
| | producing light that we can see on Earth? What | | | |
| | Reflecting Sur | · 1 | | |
| | the only thing | in our | Solar Sys | tem |
| | giving off visib | le light | , | |
| | 14) What is a staged rocket? Why do we use the | | | |
| | Multiple Compartmen | ts for fi | rel. Fall off | where |
| | fuel is used. Makes | | 1 | |
| | 15) When we send things into space, there are | two orbits that t | hev can follow. | |
| Î- | Geosynchronous and Low Earth Orbit. Draw would use each for. | | | |
| ſ | | (90) | LEO: in or | bit |
| | 1 Follows | GICO. | close to ea | |
| GEO. | : Earth's | 50 | | 1 |
| | rotation. | | Zooming are | und |
| ************************************** | DTV (Carm) | | earth. | |
| | Satellite | | to phone | |
| | | | D phone Satell | ite |
| | 16) Draw out what is happening during the Do star as blue? When would we see it as red? | ppler Effect. Who | | |
| | Compress as it | e.X | coand as it | |
| | goes towards you | Move | spand as its | you |
| | blue | | | • |
| | VIVIC | | -0 d | |

17) Go back and re-read your topic 8- how space affects the human body. Label some of the things space will do on the human below.



- → Remembering our Daily Chris Hadfield videos, how can humans survive for months on end on the International Space Station (ISS).
- a) What do they eat? How is it different than earth food?

lots of dried food. Less water weight.

b) What do they drink? How is water recycled?

Every peice of moisture is collected and recycled and reused. Fincluding H2O in urine.