Checkpoint 1- Scientific Method
 If the parking lot has 23 silver cars, 20 black cars, 13 white cars, and 10 cars of other colors, what should my conclusion be if my hypothesis was that people in Harper Woods schools drive more black cars that any other color? My hypothesis Was incorrect. The color and observation is something we see hear silver is smell and is not an opinion in any way. The group that does not get what is being tested in an experiment is called the
<u>COntrol</u> group.
Checkpoint 2- Metric System
4. The metric prefixes in order from largest to smallest are: (Remember King Henry) KIO, hecto, deka, dec, centi, milli
5. Basic unit of volume - 11 ter 6. Basic unit of length - meter 7. Basic unit of temperature - degrees Celsius 8. Basic unit of mass - gram 9. Instrument used to measure mass - triple beam balance 10. Instrument used to measure volume - grad vated cylinder Checkpoint 3 - Big Bang Theory
11. The evidence that scientists use to determine if objects in the universe are moving away from us is called <u>COShiFT</u> . 12. A description of the movement in the universe right now would be and <u>accelerating</u> . 13. The Big Bang is a theory that describes what scientist think happened when the was created.
neckpoint 4 – Stars
14. What is the life cycle stages for an average star like our sun?

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<u>NEDUIQ</u>, protostar, <u>Main Seque</u> white <u>dwarf</u> and eventually black dwarf.

15. What will be the end results in the life of a very large mass star? It will <u>SUPERNOVA</u> and turn into either a <u>black hole</u> or a <u>neutron</u> <u>Star</u>.

16. Astronomers have noticed that some stars give off blue light. What does this tell us about their it is very hot.

Checkpoint 5 - The Sun

frequence?
· irequency?
radio waves, microwaves, infrared, visible light ultraviolet x-rays gamma rays
rays gamma rays
The following is true about the effect of our atmosphere on the Sun's radiation:
18. The OZONE layer absorbs Ultraviole tradiation
19. The upper atmosphere absorbs X - rays and QQMMQ rays
20. The atmosphere protects from Solar winds.
The following variables affect the amount of solar radiation received by Earth:
21. <u>Solar Flares</u> , <u>Sunspot</u> <u>Earth's position</u>
Checkpoint 6 – Kepler's Laws
 22. Kepler's first law states that the orbit of a planet around the sun is an Clipse. 23. What did Kepler say in his the law about the velocity of objects in large orbits with more distance from the sun compared to smaller orbits and distances? Planets further from 24. The point in its orbit at which the planet is closest to the Sun and moving fastest is called the Slower Slower. 25. The point in its orbit where the planet is furthest from the Sun and is moving the slowest is the Caphelion.
Capstone 2
 26. Earth formed
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