Study Guide: Cumulative Astrono	omy Test Name	Class
Study Resources: Science Composi	tion Notebook, Old Quizzes	, Note Cards
Section I: Astronomers A. Draw a picture of a Heliocentri need to label the two pictures) and		•
B. What theory did Galileo overtu What instrument did he use an		rturn this theory?
Section II: Organization/Formation A. The Big Bang explains the form B. Explain what the Big Bang theo	nation of what?	
C. Sequence these objects in order Moon, sun, Universe, Milky Way,		LEST:
D. Sequence the following events nebula, Big Bang, formation of the the galaxies		

E. What Unit will you use to measure each of the following?
a. diameter of the Milky Way
b. distance from the sun to Earth
c. distance from Earth to Neptune
d. distance from the sun to the nearest star
e. distance from the Milky Way to the closest galaxy?
f. distance from the center of the Milky Way to the solar system?
F. How many kilometers are in one light year?
How many kilometers are in
a. 2.3 light years
b. 4.2 light years
c. 1.5 light years
d. 2.6 light years
F. The average distance from the Sun to Earth is 150,000,000 km. If a space probe
could travel 40,000 km/h, how many days would it take to make this trip?
Section III: The Solar System A. List all 8 planets in order starting from the closest to the sun.
B. List the planets in order from the SMALLEST to the LARGEST.
C. Write two unique facts about each of the planets (a fact that makes it stand out from the rest).
Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune

D. Fill in the blank.	
The surface of the four inner planets is	The four inner planets
are	However, the surface of the four
outer planet is The four outer p	lanets are,,
, The inner and outer pla	nnet are separated by
-	
Section IV: Gravity	
A. If you weigh 30 kg on Earth how much will yo	ou weigh on each of the other
planets?	
Mercury	
Venus	
Mars	
Jupiter	
Saturn	
Uranus	
Neptune	
B. What is the definition of gravity?	
C. What two factors affect the gravitational pull	between two objects?
D. Dunana diamana afaha Samanad Famili ahat dari	
D. Draw a diagram of the Sun and Earth that des	scribes what they would occur if the
gravity between them decreased.	
Section V. Objects' Motion in the Slav	
Section V: Objects' Motion in the Sky A. Draw a picture of revolution using something	athor than the Forth (what else
might "revolve")?	other than the Earth (what else
might tevolve j:	
B. Draw a picture of rotation using something of	ther than the Farth (what else might
"rotate")?	ener than the Bartin (what else hingh

C. Draw a picture of a comet revolving around the Sun. Be sure to include the direction that the comet's tail will always face.
D. Draw and label a rock falling from space all the way to Earth's surface.
Section VI: Observations of the Sun, Earth and Moon A. Draw and label all eight phases of the moon.
B. Draw and label the positions of the Earth, Moon, and Sun during a: Solar Eclipse Lunar Eclipse
Section VII: Seasons A. What three factors cause the seasons?
B. What is the primary misconception that people have about the cause of the seasons?
C. Describe what happens during an equinox and a solstice.