REGENTS EARTH SCIENCE

Data	Dowlad
Name	

Big Bang & Universe Worksheet	Date	Period
·	pace exploded. In as created at that es today. This exp	plains the expanding Universe.
the planet . Planets are found revolving around	d stars, such as th	arranged at several levels. The smallest "unit" is the Sun. The next larger item is the star . Stars even be multiple stars orbiting around each other
as small systems.	ou, or more our o	
Fill in the blanks:		
2) A is smaller than a	a	(star/planet)
together by the gravity of all the stars within it. light years across and contains trillions of stars sizes. Like our Milky Way, they can be spiral s	laxy is a collection. Our galaxy, for increase one of which is shaped, or they can	biting around them. It seems as if stars with n of billions to millions of stars. It is held nstance, is the Milky Way galaxy. It is 100,000 s our sun. Galaxies come in many shapes and
5) What is a galaxy:		_
4) How does a solar system differ from a gala	axy?	
The last level that we are aware of is the Everything that exists is contained in the Universe than there are stars in a galaxy. 5) What is the Universe?	erse. So far, scier This means an inf	ntists estimate that there are more galaxies in finite number of stars could exist.
6) List the following in order of increasing size	e galaxy planet	star universe

Regents Questions:

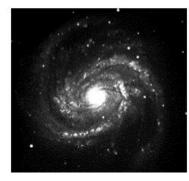
- 7) The Milky Way galaxy is best described as
 - A) a constellation visible to everyone on Earth
 - B) a type of solar system
 - C) a spiral-shaped formation composed of billions of stars
 - D) a region in space between the orbits of Mars and Jupiter
- 8) Compared to the Earth's solar system, the universe is inferred to be
 - A) younger and larger

C) older and larger

B) younger and smaller

D) older and smaller

9) The diagram below represents the shape of the Milky Way Galaxy.



The Milky Way galaxy is best described as

A) elliptical

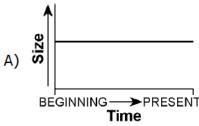
C) circular

B) irregular

- D) spiral
- 10) What is the age of our solar system in millions of years? (1 billion years = 1000 millions of years)
 - A) 544

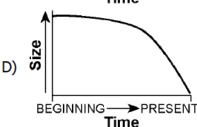
- B) 10,000
- C) 4600

- D) 1300
- 11) According to the Big Bang theory, which graph best represents the relationship between time and the size of the universe from the beginning to the present?





C) BEGINNING PRESENT



- 12) The explosion associated with the Big Bang theory and the formation of the universe is inferred to have occurred how many billion years ago?
 - A) 4.6

B) 2.5

C) less than 1

- D) over 10
- 13) The Sun's position in space is best described as the approximate center of
 - A) the universe

C) the Milky Way galaxy

B) our solar system

D) a constellation