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Ahmed Ben Abed Elrazzak High School — Duration : 01 h — 2016-2017

02nd year S/M/TM — Full name :.....

Second Term Test

Story of the Universe

The Universe is everything we can touch, feel, sense, measure or detect. It includes living things, planets, stars, galaxies, dust clouds, light, and even time. Before the birth of the Universe, time, space and matter did not exist.

The Universe contains billions of galaxies, each containing millions or billions of stars. The space between the stars and galaxies is largely empty. Space is also filled with radiation (light and heat).

The Universe is incredibly huge. It would take a modern jet fighter more than a million years to reach the nearest star to the Sun. Travelling at the speed of light (300,000 km per second), it would take 100,000 years to cross our Milky Way galaxy alone. No one knows the exact size of the Universe, because we cannot see the edge – if there is one.

The Universe has not always been the same size. It has been expanding at very high speed. So the area of space we now see is billions of times bigger than it was when the Universe was very young.

Questions :

1. How many paragraphs are the in the text ?.....

2.Say if the sentences below are true, false or not mentioned

a- Time, space and matter existed before the universe birth.(.....)

b- the universe is very big.(.....)

c- the universe has an edge.(.....)

d- Space is filled with energy particles and magnetic fields.(.....)

3. Answer the questions below according to the text

a- what is the universe ?

* .....

b- How long does it take to go through the milky way ?

*.....

c- Has the universe been the same size ?

*.....

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4. Find in the text the synonyms of the following :

cosmos(§1)=..... massive (§3)=..... the closest (§3)=.....

5. Ask questions upon the underlined words

a) Mariner 4 visited mars in 1965 .

*.....

b) satellites orbit Earth in a circular way.

*.....

c) the scientist has proved the hypothesis.

*.....

d) light travels at 300.000 km per second.

*.....

6. put the verbs in brackets into the correct tense

1) if you (to mix) red and yellow, you (to get) orange.

*.....

2) if I (to have) money, I (to buy) a laptop.

*.....

7) Fill in the gaps with the words below

Classified lies measued orbits gravity system

A galaxy is a massive complex ..... of stars. Galaxies are bound by .....and contain from millions to trillions of stars. The size of some galaxies are .....in units called parsecs. Galaxies are usually .....according to their shape : Elliptical galaxies , spiral galaxies and peculiar galaxies.

Our solar system..... within the Milky Way galaxy. The Milky Way galaxy contains over 200 billion stars . Our solar system.....around the Milky Way once every 200--250 million years.

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