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Polyvalent School Of H- Debagh

Level : 3 rd year **classes: SE / TM / GE**

SECOND TERM EXAM

PART ONE : READING AND INTERPRETING

If there are living things on other planets, what are they like? Scientists who try to answer this question are called astrobiologists.

Twenty years ago, life on other planets seemed Impossible. Astronauts had visited the Moon and found no life on its surface. There were other reasons too: some planets are so cold that there can't be any life on **them**, on some others there is such heat that life is unthinkable there. Most planets have no water on the surface, and some planets are so cold that there can't be any life on them, on some others there is such heat that life is unthinkable there. Most planets have no water on the surface, and some planets have no atmosphere or they have a toxic atmosphere.

However, in the 1990's scientists discovered some interesting species on our planet, Earth. They discovered microbes living deep under the Earth's surface in temperatures of (160 degrees); they found worms that can live in ice, and deep-sea animals that eat only toxic chemicals. Scientists now think species like **these** may live on some other planets or moons, perhaps under the surface.

One possibility is Mars, which is similar to our planet. It is a small planet. Some other possibilities are the moons of Jupiter which is the biggest planet. It has a lot of moons; one of **them** is cold Europa. It has a lot of water. There may be oceans under its surface of ice. Does anything live in them?

(adapted from Basic Science/ Course Book.)

A/ Comprehension:

1- The text is about :

a- Solar system **b-** The Moon and the planets. **c-** Possible life on other planets.

2- Say if the following statements are true or false.

a- Astrobiologists study the possible conditions that facilitate life on other planets.

b- Cold and heat are the main reasons of the impossibility of life on other planets.

c- Scientists discovered microbes living on the Earth's surface.

d- Jupiter is the biggest planet and the most similar to our planet Earth.

3- Answer the following questions:

a) What prevented life to prevail on other planets? Give two reasons.

b) Scientists made amazing discoveries on earth. Which relation exist between those discoveries and life on other planets?

c) Why is Europa one of the best possibilities for life on other planets?

4- What do the underlined words in the text refer to?

…… Them (§2) - …… These **(§3)** - …….. one of them **(§4)**

5-Find in the text words that are synonyms to the following:

-Attempt= - Causes = - Poisonous =

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B/-TEXT EXPLORATION. **1- Complete the following table**

Verb	Noun	Adjective
To collide	……	……
……	……	Known
……	danger	……

2- Combine the following sentences using the provided connectors.

a- Stars which shine with their own light. The planets give off no light (unlike).

b- ARIANE is a space program. APPOLO is a space program too (like).

3- Ask question the underlined words answer:

a- This satellite weighed 1,120 pounds.

b- Light travels at a speed of 300,000 Km per second.

c- The Apollo programme was undertaken by NASA during the year 1961-1975.

4- Re-Write sentence(b) so that it means the same as (a)

1-a). The lack of gravity may cause many problems→

b). Many ……

2-a). The astronomer said: "Man can walk on the surface of Mars next decade"→

b). The astronomer said ……

5- Give the plural of the following:

- hypothesis – Life – phenomenon – belief- boy- sky

6- Classify the following words according to their final (s) pronunciation.

Fields- satellites- causes- collisions- energies - experiments

/s/	/z/	/iz/

PART TWO : WRITTEN EXPRESSION :

choose one of the following topics

Topic 1: Imagine what would happen if a comet collided with the Earth .

Write a paragraph using the following notes:

impact on the Earth surface- volcanic eruption- Climate change –flooding- earthquake- alteration of the earth orbit – great freeze – extinction of the human kind.

Topic 2: Some people think that space research is a waste of time and money. Do you agree or disagree? Why ?

GOOD LUCK.

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