

PART ONE: Reading

A. Comprehension

Read the text carefully then do the following activities.

(15 points)

(08 points)

The Hubble space telescope is a deep space imager used by NASA to explore space. It collects light, magnifies images and gives astronomers the most detailed images unknown to man. Hubble has been at work since April 25, 1990, and celebrated its 20th anniversary in orbit on April 24, 2010.

Twenty years in service, and still being the leading source for space news, says a lot about Hubble's overall longevity and productiveness. Over 6000 scientific articles have been published based on Hubble data with some of its discoveries being so significant that NASA would have needed multiple satellite missions to accomplish the same results. Its importance to me is based on my lifelong interest in astronomy, and the galaxy where we live in.

Its importance to others, such as NASA and astronomers around the world, is due to the fact that Hubble is currently the leading source for new information and ground-breaking discoveries when it comes to deep space. But, after a stalled launch in 1985, five repair missions since its beginning, and billions of dollars in funding, I asked myself: "Is Hubble worth it?"

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1. Circle the letter that corresponds to the right answer.

The text is:

a. a newspaper article.

b. an extract from a book.

c. a website article.

ملف الحصة المباشرة و المسجلة

حصص مباشرة

1

حصص مسجلة

2

دورات مكثفة

3

أحصل على بطاقة الإشتراك



2. Are these statements true or false? Write T or F next to the letter corresponding to the statement.

- a. Hubble space telescope retransmits pictures to astronomers. True
b. NASA celebrated the twentieth anniversary of Hubble here on Earth. False
c. Hubble is useful to provide NASA with necessary data. True
d. The 1985 space mission was unsuccessful. True

3. Answer the following questions according to the text.

- a. When did Hubble telescope start work? => hubble started working on April, 24th 1990
b. Is the writer interested in astrology? Justify from the text. No, he is not.
c. Why is Hubble telescope important?

4. In which paragraph is the cost for the reparation of Hubble telescope mentioned? 3p

5. Who or what do the underlined words refer to in the text?

- a. It (§1) b. where (§2) c. others (§3)

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1. Find in the text words whose definitions follow.

- a. to travel in order to learn about something. (§1)
- b. facts or information. (§2)
- c. the scientific study of the sun, moon, stars, planets, etc. (§2)
- d. at the present time. (§3)

to explore
Data
astronomy
currently

2. Divide the following words into roots and affixes.

productive - impossible - exploration

explore action
productive
possible

prefix	root	suffix
im	prod	ive

3. Ask questions which the underlined words answer.

- a. We use the telescope to magnify distant stars.
- b. The telescope was invented in the 16th century.
- c. Thousands of satellites revolve around the planet Earth.

why do we use the telescope?
when was the telescope invented?
what Revolve / , , , ?

4. Classify the following words according to the pronunciation of their final "s".

missions - planets - telescopes - images

/s/	/z/	/ɪz/

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5. Reorder the following sentences into a coherent paragraph.

- a. as they are quite similar in size and gravity. 3
b. Astronomers have known Venus for thousands of years. 1
c. It is sometimes called the sister planet of the Earth. 2
d. Anyway the two planets are very different. 4

Part Two: Written Expression

(05 points)

Choose ONE of the following topics:

Topic One: Using the following notes, write a composition of 80 to 120 words on the importance of space research:

- space research helps in protecting the environment
- saving the lives of people during natural catastrophes
- space-based technologies for tsunami warnings
- communication technologies for better services

Topic two: Write a composition of 80 to 120 words on the following topic:

Some businessmen do not respect price regulations. They often sell their goods at too high prices. What solutions would you suggest to fight such unethical behaviours?

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ملف الحصة المباشرة و المسجلة

1 حصص مباشرة

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2 حصص مسجلة

2

3 دورات مكثفة

3

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