



Level: 3 m.s

February 2021

## English Exam

Class :

Name :

...../20

## Isaac Newton



Isaac Newton was a scientist, mathematician and astronomer **who** was born in Wools Thorpe, England on January 4<sup>th</sup>, 1643. Isaac grew up mostly alone. For rest of his life he would prefer to work and live alone, focused on his writing and his studies.

In 1661, Isaac attended Cambridge University, where he became a professor of mathematics. He spent two years -from 1665 to 1667- in study at his home in Wools Thorpe. While he was living there, Isaac was working on his theories on gravity and the laws of motion. He was also developing a new type of mathematics which he called "fluxions". Today, we call this "calculation" and it is an important type of math used in advanced engineering and science.

In 1668, Newton invented the "reflecting telescope" **which** uses mirrors to reflect light and form an image. In 1687 Newton published his most important work called the (**Mathematical Principals of Natural Philosophy**) In this work, he described the law of universal gravity. Newton died in London at the age of 84.

Adapted from [www.ducksters.com](http://www.ducksters.com)QuestionsSection one : Reading Comprehension : (7 pts)Activity one: Fill in the gaps with the correct answer :

| Date of birth | Place of birth | Achievements | Death |
|---------------|----------------|--------------|-------|
|               |                |              |       |

**Activity Two:** Put "True" or "False" about these statements then correct the false ones:

- a. Newton was born in 1559.
- b. Newton invented the reflected telescope.
- c. Newton invented Lamp.
- d. Newton studied and taught at Cambridge.

**Activity three:** Read the text again then answer the questions:

- 1- How many paragraphs are there in the text?
- 2-Did Newton live with his family?
- 3-What was he doing from 1665 to 1667?
- 4-Was he a philosopher?

**Lexis:**

**a- Find in text words that are closest in meaning to the following:**

concentrated (§ 1) = .....

created (§ 3) =.....

**b- Find in the text words that are opposites in meaning to the following:**

accompanied (§ 1) ≠ .....

undeveloped (§ 2) ≠ .....

### **Section Two: Mastery of Language: (8 pts)**

**Activity one:** I combine the following sentences using "who" or "which" :

Newton attended Cambridge. Cambridge is a famous university in England.

Newton is a famous scientist. Newton developed a new type of mathematics.

**Activity Two:** fill in the blanks with « Can » or « May »:

**A-Mother to daughter:** ..... you help me with the washing up, Amira?

**B- Traffic police officer to motorist:** .....I see your driving license, sir?

**Activity Three: Write the verbs between brackets in Past simple or Past Continuous:**

1- While I ..... (play) computer games, my mother ..... (call) me for dinner.

2-My mobile.. .....(not/work) when I..... (start) to use it.

3-The door .....(knock) while we ..... (sit) in the garden.

**Activity four : Classify the following words according to their final pronunciation**

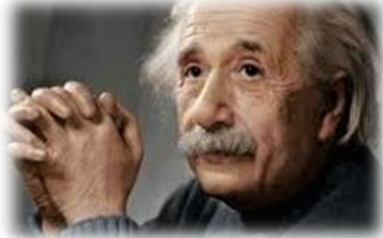
Laughed- judged- -blessed - demanded

| /t/ | / d/ | /id/ |
|-----|------|------|
|     |      |      |

**Section 3: Situation of integration (5pts)**

**Activity Five: Write a short biography about the famous scholar “Albert Einstein using the following information in the ID card.**

**Use :** Past Simple and the relative pronouns “who” and “which”.

|   |   |
|---|---|
| <p><b>Full Name:</b> Albert Einstein<br/><b>Date &amp; place of birth:</b>1879 in Ulm, Germany<br/><b>Date &amp; place of death:</b>1955 in Princeton, USA<br/><b>Education:</b> Diploma from Swiss polytechnic (1900); PhD University of Zurich,1905)<br/><b>Fields of Study &amp; Scientific Research:</b> Physics and Mathematics<br/><b>Immigration:</b> immigrated to the USA in 1933 and became an American citizen in 1940.<br/><b>Discoveries:</b> 1- Theory of relativity and famous equation <math>E=mc^2</math>.<br/>2-photons<br/><b>Nobel prize for physics:</b> 1921.</p> |  |
|---|---|

♣ BEST OF LUCK

## Correction

### Section one : Reading Comprehension : (7 pts)

**Activity one:** Fill in the gaps with the correct answer (1pts)

| Date of birth | Place of birth | Achievements                                  | Death |
|---------------|----------------|---|-------|
| 1643          | England        | Mathematical principles of Natural philosophy | At 84 |

**Activity Two:** Put "True" or "False" about these statements then correct the false ones (2 pts)

e. Newton was born in 1559. **False**

**He was born in 1643**

f. Newton invented the reflected telescope. **True**

g. Newton invented Lamp. **False**

**Thomas Edison invented Lamp.**

h. Newton studied and taught at Cambridge. **True**

**Activity three:** Read the text again then answer the questions: (2pts)

1- How many paragraphs are there in the text?

**3 paragraphs**

2-Did Newton live with his family?

**No, he used to live alone.**

3-What was he doing from 1665 to 1667?

**He spent two years in study at his home in Wools Thorpe.**

4-Was he a philosopher?

**Isaac Newton was a scientist, mathematician and astronomer.**

**Lexis: (2pts)**

**a- Find in text words that are closest in meaning to the following:**

concentrated (§ 1) = **focused**

created (§ 3) = **invented**

b- Find in the text words that are opposites in meaning to the following:

accompanied (§ 1) ≠ **alone**

undeveloped (§ 2) ≠ **advanced**

### Section Two: Mastery of Language: (8 pts)

**Activity one:** I combine the following sentences using “who” or “which” (2pts)

1/Newton attended Cambridge, **which** is a famous university in England.

2/Newton is a famous scientist **who** developed a new type of mathematics.

**Activity Two:** fill in the blank with « Can » or « May»: (1pt)

A-Mother to daughter: **Can** you help me with the washing up, Amira?

B- Traffic police officer to motorist: **May** I see your driving license, sir?

**Activity Three:** Write the verbs between brackets in Past simple or Past Continuous (3 pts)

1-while I **was playing** (play) computer games, my mother **called** (call) me for dinner.

2- My mobile **wasn't working** (not/work) when I **started** (start) to use it.

3-The door **was knocking** (knock) while we **were sitting** (sit) in the garden.

**Activity four :** Classify the following words according to their final ED pronunciation (2 pts)

Laughed- judged- -blessed- demanded

| /t/              | / d/   | /id/     |
|------------------|--------|----------|
| Laughed -blessed | Judged | demanded |

### Section 3: Situation of integration (5pts)

**Activity Five:** Write a short biography about the famous scholar “Albert Einstein using the following information in the ID card.

Use : Past Simple and the relative pronouns “who” and “which”.