

○ Natural Science and Technology ○ Year-End Exam

Grade 5

Total /100

Name _____ Class _____

Date _____

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- Record all questions in full sentences when you write.
- Read each question carefully before answering.
- Attempt your best opportunity to answer your complete all questions.
- Good luck!

Question 1

Circle the correct answer.

1) How does light travel?

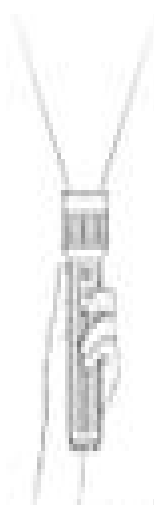
- a. in waves
- b. straight
- c. with particles

2) An object is shown that uses light reflection.

- a. a light bulb
- b. a mirror
- c. a solar panel

3) The observed effect of a sunset is because:

- a. refraction
- b. diffraction
- c. light absorption



○ Science and Technology Year-End Exam ○



Continents and oceans



Big forest

2

25

13

Good luck this is

100

25

25

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Continents and oceans

Water is polluted by

25

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Science is Physics as example

Light from small area can
 create two images based on



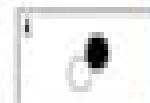
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Several options

(2/14)

Continents and oceans



25

25

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Neuroinflammation and Behaviour Luba Sominsky,Adam K. Walker,Deborah M. Hodgson,2015-07-21 The brain and immune system are involved in an intricate network of bidirectional communication This relationship is vital for optimal physiological and psychological development and functioning but can also result in unwanted outcomes In particular this interaction plays an important role in cognition mood and behaviour Neuroinflammation is known to contribute to neurological and affective disorders including impaired learning and memory depressive anxiety and schizoaffective symptoms as well as pain The development of these conditions often occurs on the backdrop of pre existing physical illnesses which give rise to increased activation of the immune system such as cancer obesity infection and autoimmune disorders Similarly psychological states can alter regulation of the immune system This has been most extensively studied in the context of stress and immune function Understanding the underlying mechanisms that lead to the onset of inflammation induced neuropathology and stress induced immune suppression will contribute to the development of novel and effective treatment strategies for both the disease and its neurological side effects In this research topic we explored the relationship between the immune system and the brain throughout life We include both original research and review papers from animal clinical and molecular perspectives

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