

المعلومات العامة

الأسئلة المعلنه للعام الدراسي 2010

6

1

Which of these can be separated into two different substances without undergoing a chemical reaction?

- sugar
- water
- salt water
- carbon dioxide

Key: 3

Strand: Materials

Standard: 12.2 Know that when substances are added to water, some will react while others either dissolve or remain suspended.

DOK: 01 Understanding

2

Which of these best explains why we see the moon?

- The moon absorbs light from the Earth.
- The moon absorbs light from the sun.
- The moon reflects light from the sun.
- The moon reflects light from the Earth.

Key: 3

Strand: Earth and space

Standard: 13.2 Explain that we see the Moon at night because it is an illuminated object that reflects light from the Sun.

DOK: 01 Understanding

3

A student stirred a spoonful of sugar, pepper, salt, and sand into four separate glasses of water.

Which two solids dissolved the fastest in her experiment?

- sugar and sand
- salt and pepper
- sugar and salt
- sand and pepper

Key: 3

Strand: Materials

Standard: 11.2 Know that some solids are more soluble in a solvent than others and that there is always a limit to the amount of solute that will dissolve.

DOK: 01 Understandingg

In mammals, name the organ where gases are exchanged with the atmosphere.

Answer: _____

How are gases transported between this organ and the rest of the body?

Answer: _____

Key Elements	
A. Lungs	
B. An answer indicating that blood carries gases between the lungs and the rest of the body.	
2 key elements	2 pts
1 key element	1 pt
Incorrect answer	0 pts
No answer	Blank

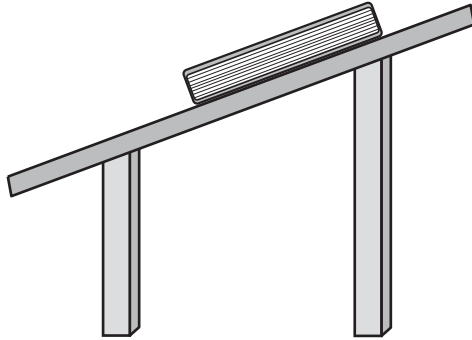
Points: 2

Strand: Life science

Standard: 06.1 Know the names of the main organs of vertebrates that are responsible for circulation (heart, blood vessels), food processing (stomach, liver and intestines), gas exchange (lungs, gills), locomotion (fins, legs, wings) reproduction (ovaries, testes), sensitivity (brain, nerves, sense organs) and waste removal (kidneys).

DOK: 01 Understanding

A book is lying on a slanted desktop.



Name the forces that are acting on the book as it lies on the desktop.

Answer: _____

Explain how a book can remain stationary lying on a slanted desktop.

Answer: _____

Key Elements

A. friction / upthrust AND gravity

B. A response indicating one of the following:

- The forces are balanced
- Friction / upthrust prevents gravity from moving the book down
- Friction / upthrust balances the force of gravity

2 key elements	2 pts
1 key element	1 pt
Incorrect answer	0 pts
No answer	Blank

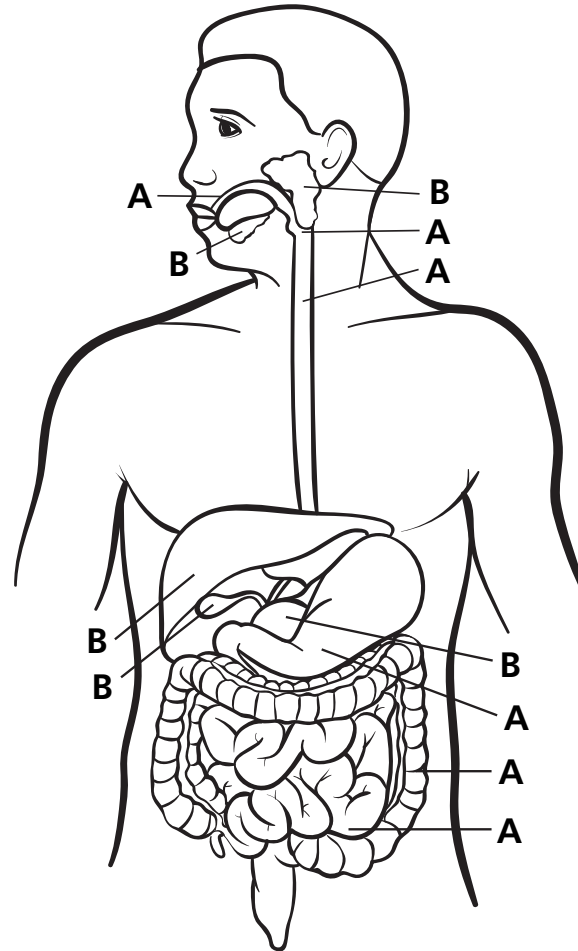
Points: 2

Strand: Physical processes

Standard: 15.2 Realise that there is often more than one force acting on a body and that these are balanced if the body is stationary.

DOK: 02 Application

The diagram below shows the human digestive system.



Describe two ways in which the parts labeled (A) are different from the parts labeled (B).

Answer:

1: _____

2: _____

Key Elements

A. Any two of following:

- food passes through the 'A' parts OR food does not pass through the 'B' parts
 - 'B' parts secrete digestive fluids / enzymes
 - 'A' parts are where digestion / absorption occur
 - 'B' parts are accessory digestive organs

2 key elements	2 pts
1 key element	1 pt
Incorrect answer	0 pts
No answer	Blank

Points: 2

Strand: Life science

Standard: 08.1 Identify and describe the general structure of the human digestive system and know how the mouth, salivary glands, oesophagus, stomach, liver, gall bladder, pancreas, large and small intestine, and anus are connected.

DOK: 01 Understanding