

Mock Exam

Home Practice

Term 2

Dear Parents

Please go through these mock exam test papers with your son/daughter. It will help with studying for the exam. We will be doing them in class as well. These papers have been assigned on McGraw Hill as well.

Students, If you are not at school please go through them at home.

Kind Regards

Ms Faheema

أولياء الأمور الكرام

يرجى مراجعة الاختبارات التدريبية مع ابنك / ابنتكم ، ستساعدكم في الاختبارات النهائية ، سنقوم بحلها داخل الصف . هذه الاوراق موجودة على منصة mcgrawhill أيضا

MOCK EXAM SEMESTER GRADE 4 SCIENCE MS FAHEEMA

NAME: _____ G4/____ DATE: _____

1	A child hitting a drum creates vibrations that produce
A	Sound Energy
B	Electrical energy
C	Thermal energy

2	Thermal energy is
A	the internal energy of an object due to the kinetic energy of its particles
B	the external energy of an object due to its potential energy
C	the internal energy of an object due to the stored energy of its particles

3	Which statement is true?
A	A lamp changes heat energy to electrical energy.
B	A lamp changes light energy to electrical energy.
C	A lamp changes electrical energy to light and heat energy..

4	Astronauts in space cannot talk to each other unless they use a radio to speak back and forth. Why is this?
A	The air is too thick to carry sound waves efficiently.
B	There is no air in space, so there is no medium to carry sound waves.
C	It is very loud in space, so they can only hear each other through a radio.

5	A fire truck's siren and flashing lights are examples of __ and __ energy. Choose two answers.
A	heat
B	light
C	sound
D	chemical

6	To stop a drum from producing sound, you would ____.
A	hit it harder
B	hit it softer
C	stop it from vibrating

7	Why are sounds not heard in space?
A	Space is too cold for sound waves to travel.
B	There is too much matter to travel through in space.
C	Space is a vacuum with few particles to travel through.

8	Sound Waves travel fastest through
A	Solids
B	Liquids
C	Gases

9	How does sound energy travel?
A	Waves
B	Beams
C	Particles

10	A form of energy that allows you to see objects is
A	Light energy
B	Sound energy
C	Heat energy

11	A flow of electrical charges is known as ____.
A	circuit
B	voltage
C	Electricity

12	In an electric circuit, a battery can act as a ____.
A	Resistor
B	Light
C	Voltage source

13	A conductor is a
A	material that increases the amount of electricity
B	material through which electricity flows easily
C	material that stops the flow of energy

14	It is very hot outside and you walk barefoot on hot pavement. Predict what will happen?
A	The transfer of heat energy from the pavement will cause your feet to feel hot.
B	The transfer of light energy from the pavement will cause your feet to feel hot.
C	The transfer of light energy from the pavement will cause your feet to feel cold.

15	Fossil fuels are ____.
A	Renewable resources
B	Non renewable resources
C	Easily replaced

16	How are fossil fuels formed?
A	Heat and pressure turn animal and plant remains into fuels.
B	Scientists collect fossils and turn them into fuels.
C	Fossils sink into swamps and take between five and ten years to turn into fuels.

<u>Answers</u>	
1	A
2	A
3	C
4	B
5	B AND C
6	C
7	C
8	A
9	A
10	A
11	A
12	C
13	B
14	A
15	B
16	A

SCIENCE MOCK EXAM 2

Name: _____

Grade 4/_____

Date: _____

1) Where does geothermal energy come from?

A	Inside the earth
B	Sun
C	Wind Turbines

2) Why are fossils fuels considered nonrenewable energy?

A	Fossil fuels are essential to civilization
B	Fossil fuels cannot be replaced fast enough for future use.
C	Fossil fuels are easily renewed.

3) Geothermal power plants use the _____ from the Earth's interior to generate power

A	Heat
B	Water
C	Wind

4) Which of the following is a renewable resource?

A	Fossil fuels
B	Gas
C	Hydroelectricity

5) The act of saving, protecting or using resources wisely is _____

A	Reservation
B	Generation
C	Conservation

6) Which of the following is **not** an advantage to renewable energy?

A	Solar power is abundant as a resource.
B	Hydroelectric dams block rivers and streams
C	Biomass energy uses waste products to create energy.

7) Time, _____ and materials are often constraints

A	Money
B	Land
C	People

8) Energy from running water is used to generate

A	Wind energy
B	Geothermal energy
C	Hydroelectricity

SCIENCE MOCK EXAM 2

9) Energy can change from one form to another. Which can change mechanical energy into electrical energy?

- | | |
|---|------------------|
| A | An electromagnet |
| B | A transformer |
| C | A generator |

10) Why is Solar power a renewable resource?

- | | |
|---|---------------------------|
| A | It cannot be used up |
| B | It is a natural resource |
| C | It creates extra sunlight |

11) A _____ is **created at the end** of the engineering design process

- | | |
|---|---------------|
| A | Prototype |
| B | Material list |
| C | Plan |

12) Suppose you turn on a fan. Which energy conversion happens inside the electric motor?

- | | |
|---|--------------------------------|
| A | radiant to electrical |
| B | heat to stored energy |
| C | electrical to energy of motion |

13) Which statement **is not true** about nuclear energy?

- | | |
|---|--------------------------------|
| A | is created using fossil fuels. |
| B | a nonrenewable resource |
| C | used to generate electricity. |

14) Solar energy is an alternative energy that comes from the

- | | |
|---|-------|
| A | Sun |
| B | Moon |
| C | Earth |

15) Scientists are designing a new car that runs on renewable energy sources. How would a prototype be used during the design process

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|---|-----------------------------------|
| A | to show the final design |
| B | to collect data about the design |
| C | to show how fossil fuels are used |

16) What is one effect of using coal to meet our energy needs?

- | | |
|---|------------------------------|
| A | It cleans the air. |
| B | It will not run out. |
| C | It pollutes the environment. |

SCIENCE MOCK EXAM 2

Answers

1	A
2	B
3	A
4	C
5	C
6	B
7	A
8	C
9	C
10	A
11	A
12	C
13	A
14	A
15	B
16	C