

WorksheetCloud.com - Memorandum

Subject: Grade 4 NATURAL SCIENCES

Topic: Natural Sciences: Exam Term 4

Total Marks: 86

1. FALSE 2

Explanation: They need an input of energy to work.

2. FALSE 2

Explanation: The moon is not a source of light, but the Sun is a source of light.

Even though the moon looks like it is giving us light, it is not actually producing the light. The moon just reflects the light from the Sun.

3. FALSE 2

Explanation: Sound is the main output energy that musical instruments produce.

4. TRUE 2

Explanation: The moonlight we see is actually sunlight that is reflected by the Moon.

5. TRUE 2

Explanation: This is what gives us night and day.

It takes exactly 23 hours, 56 mins and 4 seconds.

6. FALSE 2

Explanation: It is much bigger than the Earth. The Sun is over 300000 times bigger than the Earth.

7. B 4

Explanation: The Sun gives heat and light which is important for plants and animals.

8. A 4

Explanation: Mercury is the closest planet to the Sun. Therefore it is heated up the most.

9. B 4

Explanation: An audiologist is a health-care professional specializing in identifying, diagnosing, treating and monitoring disorders of the ear.

If you have a hearing problem then you should visit an audiologist.

10. B 4

Explanation: A. The Moon is 384000km from the Earth. B. The Moon has no air and no water. C. The Moon is smaller than the Earth.

11. B 4

Explanation: At different times, different parts of the earth are closer to the sun.

12. A 4

Explanation: The Earth is the third planet from the Sun. Mercury and Venus are closer.

13. heat 3

Explanation: The energy is stored in the wax and wick of the candle.

Wax is burnt to create heat or light energy.

14. air	3
Explanation: Sound is caused by vibrations, and it therefore needs particles in which to move.	
15. earth	3
Explanation: The orbit is the path that the Moon takes while moving around the Earth.	
16. gravity	3
Explanation: Earth pulls all objects in it's atmosphere towards itself. This pull is known as the pull (or force) of gravity.	
17. 1969	3
Explanation: The rocket, Apollo 11, was the first spaceflight to land a person on the Moon. The men were the Americans Neil Armstrong, who stepped on the Moon first, and Buzz Aldrin.	
18. low	3
Explanation: A high pitch sound, corresponds to a high frequency sound wave and a low pitch sound, corresponds to a low frequency sound wave.	
19. air oxygen atmosphere	3
Explanation: Because there is no air and water on the Moon, no living thing can grow. Planet Earth is the only place in the solar system which can sustain life.	
20. orbit	3
Explanation: Each planet has it's own orbit around the Sun.	
21. (1) fire (2) musical instrument (3) food	6 (2 per answer)
Explanation: (1) Light energy source - fire. A fire gives off light. We use fires to produce light. (2) Sound energy source - musical instrument. A drum is a musical instrument. When it is hit sound is produced. (3) Stored energy source - food. Food is a source of stored energy. We eat the food for energy.	
22. (1) Percussion instrument (2) Wind instrument (3) String instrument	6 (2 per answer)
Explanation: (1) triangle - it is a percussion instrument that is hit (2) saxophone - it is a wind instrument that is blown (3) violin - it is a string instrument that is plucked	
23. (1) Mercury (2) Venus	4 (2 per answer)
Explanation: Planets that are closer receive more energy from the Sun and will therefore be warmer. Venus is the hottest planet. This is because of its sulphuric acid/clouds and high level of carbon dioxide in its atmosphere that traps heat from the Sun.	

24. (1) third

6 (2 per answer)

(2) push

(3) push

Explanation: In a rocket, the gases are pushed down. This is balanced by the rocket being pushed upwards.

25. (1) less

4 (2 per answer)

(2) gravity

Explanation: The moon has a much smaller force of gravity than that of the Earth.

25 Questions, 3 Pages