



Name :	Subject :Science
Semester: 2 nd	Grade : 3/
Date :	Final Revision Sheets

Q1. Use suitable words from the box to complete the following sentences.

gas - absorbed - eardrum - light - expands
- kinetic energy - energy - magnetism - insulator

1. Insulator is a material that heat does not move through easily.
2. Sound travels slowest through a (n) gas.
3. The object gets bigger; or expands.
4. The sound waves make your eardrum vibrates.
5. The form of energy that allows you to see objects is Light.
6. When you throw a paper airplane, you give it Kinetic energy.
7. Light can be absorbed or taken in, when it hits an object.



8. Loud sounds are made by objects that vibrate with a lot
Of energy.
9. Forces such as gravity and magnetism can act on an object
without touching it.

Q2. Choose the correct answer.

1. The loudness of a sound is its_____.
- a. mass b. volume c. length
2. Which gives off the most heat? _____.
- a. The Sun b. the water c. the Moon
3. Particles in a hot object have a lot of thermal energy and
move _____.
- a. slowly b. quickly c. away
4. When white light strikes a green leaf, the leaf absorbs all
colors except _____.
- a. yellow b. blue c. green



5. Objects that vibrate quickly make sounds with _____.
- a. low pitch b. **high pitch** c. low volume
6. Sound travels slowest through a _____.
- a. **gas** b. liquid c. solid
7. You see the objects when light _____ off them and goes into your eyes.
- a. reflects b. absorbs c. refracts
8. When you rub your hands together, you feel _____.
- a. sound b. **heat** c. gravity
9. A frosted glass is an example of _____ material.
- a. translucent b. transparent c. opaque
10. Which of the following materials is a good insulator?
- a. **wool** b. copper c. iron
11. The brakes on a bike use rubber pads to _____ friction.
- a. decrease b. **increase** c. stop



12. A pulling force between two objects is called _____.
- a. weight b. gravity c. friction
13. You have seen your shadow on a _____.
- a. windy day b. sunny day c. cloudy day
14. Fire, light bulbs, and stoves are some sources of _____.
- a. sound b. electricity c. heat
15. The more mass an object has, the _____ gravity pulls on it.
- a. less b. same c. more
16. Oil is put on moving parts of machines to reduce _____.
- a. weight b. gravity c. friction
17. Sound is produced when something _____.
- a. reflects b. absorbs c. vibrates
18. Through which material will sound waves travel slowest?
- a. wire b. water c. air



Q3. Write "True" or "False".

1. When you jump up, Earth's gravity pulls you down. (T)
2. Heat always flows from a warmer object to a colder one.
(T)
3. All objects are opaque. (F)
4. Sound travels faster through liquids than through gases.
(T)
5. You can see gravity. (F)
6. A cold object has less thermal energy and its particles move slowly. (T)
7. Pitch depends on the volume of the vibration. (F)
8. Clear glass is translucent. (F)
9. More force is needed to move heavy objects. (T)
10. Sound travels slowest through a gas. (T)
11. When light passes through a prism, it is separated into different colors. (T)



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12. The longer an object is, the slower it vibrates. (T)
13. Sound travels in straight lines. (F)
14. A thinner guitar string has a higher pitch than a thicker one. (T)
15. A conductor is a material that heat does not move through easily. (F)
16. Magnets can attract things made of wood. (F)

17. When the temperature of the liquid decreases, the liquid expands. (F)
18. The white light is made up of every color of light. (T)



Q4. Match each term on the right to its meaning on the left. Write the letter on the blank.

<u>E</u>	1. energy that is stored and ready to be used	A. energy
<u>D</u>	3. To bounce off a surface	B. shadow
<u>C</u>	4. an object with a magnetic force	C. magnet
<u>B</u>	5. A dark space that forms when light is blocked	D. reflect
<u>A</u>	6. the ability to do work	E. potential energy

Q5. Write a scientific term that describes each sentence.

1. a form of energy that comes from objects that vibrate

sound

2. to move back and forth quickly

vibrate

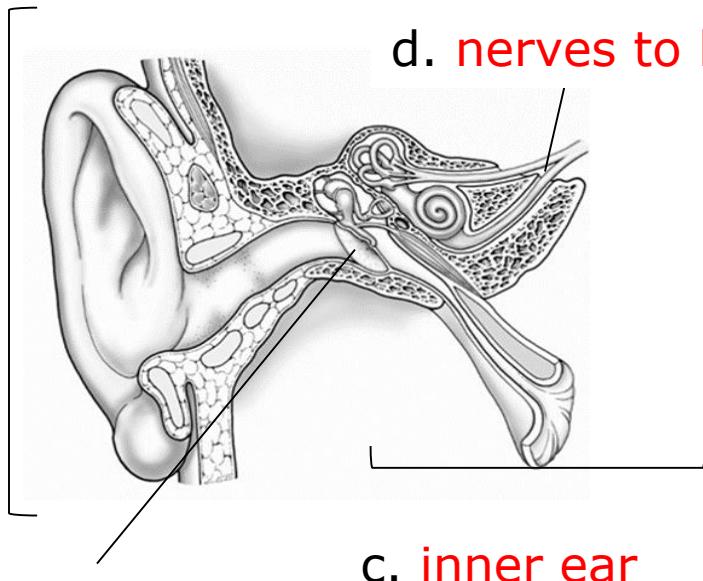
3. a material that does not allow light to pass through

opaque



Q6. Label the following diagram:

a. outer ear



d. nerves to brain

b. eardrum

c. inner ear

Q7. Define the following:

1. force;

a push or a pull

2. kinetic energy;

Energy in the form of motion

3. temperature ;

How hot or cold something is

4. pitch ;

How high or low a sound is



Q8. Answer the following questions.

1. How can friction help keep you safe?

You can walk without slipping because of the friction between your feet and the ground

2. Mention four forms of energy.

Heat, sound, light, electricity

3. Do you think that you can hear sounds in outer space?

Why?

No, because there is no matter in space. Sound must travel through a solid, a liquid or a gas.