



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION
SCHOOLS DIVISION OF PASAY CITY
PHILIPPINE SCHOOL FOR THE DEAF
2620 F.B. HARRISON ST., PASAY CITY

FIRST SUMMATIVE TEST FOR 3RD QUARTER
SCIENCE 4
SY 2020-2021

NAME: _____ **DATE:** _____
GRADE & SECTION: _____ **TEACHER:** _____

GENERAL DIRECTIONS: Read the following statement or question carefully.
Choose the letter of your answer.

1. What causes objects to move?

- | | |
|------------|------------|
| A. force | C. magnets |
| B. gravity | D. weight |

2. Which of these needs a force to change?

- | | |
|--------------|-------------------|
| A. direction | C. size and shape |
| B. motion | D. weight |



3. When force is applied to an object, the size of an object may _____.

- | | |
|----------|-----------|
| A. bend | C. change |
| B. break | D. move |

4. Which of these are more commonly seen and observed?

- | | |
|------------------|---------|
| A. contact force | C. pull |
| B. force | D. push |

5. Which of these are more commonly act on objects without touching them?

- | | |
|----------------------|---------|
| A. contact force | C. pull |
| B. non-contact force | D. push |



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6. A force that sets an object into motion is called _____.

- A. balanced
- B. moving
- C. pushing
- D. unbalanced

7. When force is applied to an object, the _____ of an object will change.

- A. color
- B. size
- C. taste
- D. texture

For numbers 8 and 9: Look and study the pictures below



I.



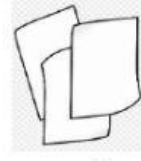
II.



III.



IV.



V.

8. Which among the objects above will require a **greater force**?

- A. I and II
- B. I, III and IV
- C. II and V
- D. I and V

9. Which among the objects above will require **lesser force to move**?

- A. II and V
- B. III and IV
- C. II and V
- D. I and III



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10. Which of the following situations are the effects of force applied in changing the size, except one?

A. cutting a paper



C. sharpening a pencil



B. pulling a garter



D. throwing the paperclip



11. A marble that is standing still move when _____

A. touch by a person

B. there is strong wind

C. bumped by another marble

D. a force is applied to a marble

12. Which among the objects will move faster upon the application of a force?

A. beach ball



C. pebble



B. marble



D. pingpong ball



13. What objects can be attracted by a magnet?

A. magnetic material

C. permanent magnet

B. non-magnetic material

D. temporary magnet



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14. What kind of magnet is shown?

- | | |
|--------------|----------------|
| A. bar | C. rectangular |
| B. horseshoe | D. ring |

15. What do you call the push and pull of a magnet?

- | | |
|----------------|--------------|
| A. attracts | C. falling |
| B. electricity | D. magnetism |

16. Which of these has a north pole and a south pole?

- | | |
|----------------|-----------|
| A. electricity | C. magnet |
| B. force | D. mass |

For numbers 17 and 18: Look and study the pictures below



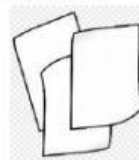
I.



II.



III.



IV.



V.

17. Which of the materials are attracted to the magnet?

- | | |
|------------------|-----------------|
| A. I, II and III | C. I, III and V |
| B. II and IV | D. V only |



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18. Which of the material is not attracted to the magnet?

- | | |
|----------------------|---------------------|
| A. II and III | C. III and V |
| B. II and IV | D. II only |

19. Which statement describes the picture correctly?



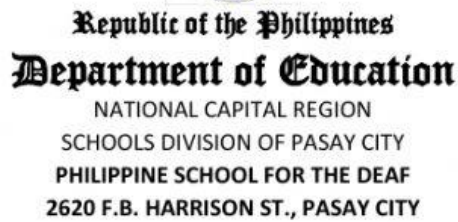
- A.** The 2 poles are attracted to each other.
- B.** The iron fillings formed a shape around the magnet.
- C.** The iron fillings show that magnetic field is strongest at both poles.
- D.** The north seeking poles of one bar magnet attracts the south seeking pole of another bar magnet.

20. When the same poles of two magnets whether North or South are placed close to each other, they_____.

- | | |
|-----------------------------|----------------------------|
| A. attack each other | C. pull each other |
| B. does not move | D. repel each other |



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NAME: _____ **DATE:** _____
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- A.** Stay on the stair.
- B.** Do not walk on the floor with spilled oil.
- C.** Dry the wet floor with clothes and walk away.
- D.** Jump and hop to move away from the area where there is oil spill.





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4. During an earthquake, which of the following should you do?
- A. Walk slowly
 - B. Cross the street
 - C. Swim on the flood
 - D. Stay inside your room.
5. During P.E activities, what will you do if someone pushes you?
- A. Push the person behind you.
 - B. Tell them not to push anyone.
 - C. Hold on to someone near you.
 - D. Push the person in front of you.
6. A heat that travels through air and water is called?
- A. conduction
 - B. conductor
 - C. convection
 - D. radiation
7. What is the direction of heat transfer?
- A. from bottom to up
 - B. from hot to cold
 - C. from cold to hot
 - D. from side to side
8. Which of the following the materials transmits light?
- A.reflection
 - B. refraction
 - C. translucent material
 - D. transparent material



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9. Which of the following is formed when light rays hit an opaque object?

- A. reflection
B. refraction
C. shadow
D. translucent



10. Which of the following is called the bending of light in an object?

- A. refraction
B. shadow
C. translucent
D. transmission



11. Which of the following is known as the bouncing back of light from the surface it hits?

- A. opaque
B. reflection
C. shadow
D. transparent



12. How do sound travel through air?

- A. jumping motion
B. moderately
C. very slow
D. very fast

13. When the sound travels through solids, the vibration of the particles move_____.

- A. fast
B. irregularly
C. moderately
D. slowly



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14. What affects the speed of sound as it travels?

- A. person receiving it
- B. loudness of the sound
- C. the nature of material
- D. the origin of the sound

15. Which of the following produces a **soft** sound?

A. drum set



C. jet



B. buzzing bee



D. whistle



16. Which of the following produces the **loudest** sound?

A. cry of a baby



C. piano



B. jet



D. telephone



17. Which of the following is good to use when we go out on a sunny day?

A. shampoo

C. sunglasses

C. sunblock

D. umbrella



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