



Bighelp Science Bee 2018

Level 4 (grade 4)



Name of the student: _____

Parent Cell Phone: _____

Student Grade: _____

Score Card

For the use of Science Bee coordinator ONLY:

Score [1-35] : _____

Score [36-40] : _____

Total Score : _____



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1. A kind of mixture where different kinds of matter are mixed completely with each other

- A) Density
- B) Solution
- C) Suspension
- D) Volume

2. Arrange the following stages of a frog metamorphosis in the reverse order

- I. Growing tadpole**
- II. Adult Frog**
- III. Tadpole**
- IV. Frog egg**

- A) IV, III, I, II
- B) II, I, III, IV
- C) I, II, IV, III
- D) IV, III, II

3. _____ is a measure of the number of waves in a second.

- A) Vibration
- B) Frequency
- C) Amplitude
- D) Wavelength

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4. The physical feature or behavior that help living things survive in their environment is called

- A) Camouflage
- B) Mimicry
- C) Adaptation
- D) Accommodation

5. _____ is one of the stages of an insect that undergoes incomplete metamorphosis.

- A) Nymph
- B) Larvae
- C) Pupa
- D) Egg

6. _____ is a force that slows or stops motion.

- A) Path
- B) Attraction
- C) Friction
- D) Vibration

7. Which of the following is a type of fossil?

- A) Mold
- B) Cast
- C) Amber
- D) All of the above

8. _____ is where the digestion begins.

- A) Large intestine
- B) Small intestine
- C) Stomach
- D) Mouth



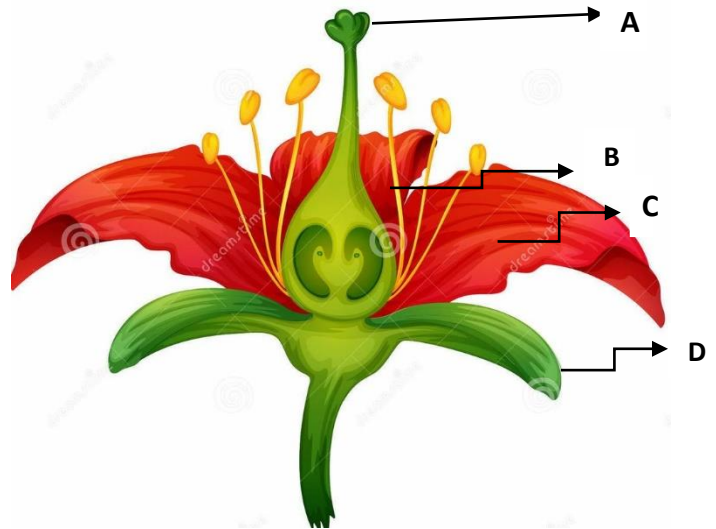
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9. _____ are the building blocks of rocks.
- A) Crystals
 - B) Minerals
 - C) Clay
 - D) Chalk
10. Graduated cylinder is a tool used to measure the _____ of a liquid.
- A) Mass
 - B) Density
 - C) Volume
 - D) Temperature
11. _____ is not involved in the process of seed spreading.
- A) Animals
 - B) Water
 - C) Wind
 - D) Sunlight
12. How does Earth's gravity affect objects near Earth?
- A) It makes them larger.
 - B) It pushes them away.
 - C) It makes them larger.
 - D) It pulls them in.
13. A group of closely related living things is called
- A) Molt
 - B) Fertile
 - C) Organism
 - D) Species

14. Name the following parts of a flower

- A) A-Stigma, B-Anther, C-Petal, D-Sepal
- B) A-Style, B-Anther, C-Petal, D-Leaves
- C) A- Stigma, B-Filament, C-Petal, D-Sepal
- D) A-Style, B-Filament, C-Petal, D-Leaves



15. Lodestone is a rock that acts as a/an _____.

- A) Natural magnet
- B) Natural conductor
- C) Natural source of light
- D) Natural source of iron

16. Which of the following is not an example of symbiosis?

- A) Parasite feeding on a host
- B) Moss living on oak tree
- C) Fungi and algae living in water
- D) None of the above

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17. State true or false

I. Spore is the cell that will eventually grow into a new plant

II. Humus is rotted plant and animal remains that becomes part of the soil

- A) True, True
- B) False, True
- C) True, False
- D) False, False

18. A/An _____ is a magnet made when an electric current flow through a coil of wire wrapped around an iron rod.

- A) Permanent magnet
- B) Temporary Magnet
- C) Natural Magnet
- D) Electromagnet

19. A magnet would not attract

- A) Cobalt
- B) Nickel
- C) Iron
- D) Wood

20. Which of the following is not an example of chemical change in matter?

- A) Rust
- B) Tarnishing of silver
- C) Water turning to ice
- D) Burning of wood

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21. Given are the definition of the three main types of clouds

- A- Thin & curly -High level
- B- Grey, layered -Low level
- C- Thick & fluffy -Low level

Name A, B, C

- A) A-Stratus, B-Cirrus, C-Cumulus
- B) A-Cirrus, B-Stratus, C-Cumulus
- C) A-Cumulus, B-Stratus, C-Cirrus
- D) A-Stratus, B- Cumulus, C-Cirrus

22. _____ is a simple machine that is two inclined planes joined together to form a sharp edge.

- A) Wedge
- B) Lever
- C) Screw
- D) Wheel and Axle

23. _____ is one device that is used to track hurricanes.

- A) Thermometer
- B) Satellite
- C) GPS
- D) Rocket

24. Which of the following is an example of a healthy eating habit?

- A) Skipping meals
- B) Eating fast
- C) Eating smaller meals
- D) Eating late at night

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25. _____ is a disorder in which some of the body's cells lose the ability to control growth.

- A) Cancer
- B) Arthritis
- C) Asthma
- D) Diabetes

26. Which option represents states of matter in decreasing order of distance between particles?

- A) Gas, Solid, Liquid
- B) Solid, Liquid, Gas
- C) Gas, Liquid, Solid
- D) Liquid, Gas, Solid

27-30. Match the following

I. Eye	a. Tiny part of seed that can grow into a plant
II. Embryo	b. A spinning, funnel shaped area in a fluid
III. Esophagus	c. A stringy tissue that connects bones together
IV. Ligament	d. A muscular tube that connects the mouth to the stomach

- I. _____
- II. _____
- III. _____
- IV. _____



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31. When you test something you are performing a(n) _____.

- A) Observation
- B) Knowledge
- C) Experiment
- D) Evidence

32. Which sequence lists the organisms correctly from the lowest trophic level to highest?

- A) Hawk, Weasel, Chipmunk, Seeds
- B) Chipmunk, Weasel, Seeds, Hawk
- C) Seeds, Chipmunk, Weasel, Hawk
- D) Seeds, Chipmunk, Hawk, Weasel

33. Superficial resemblance of a species to its natural surroundings to avoid being eaten by predators or being seen by prey is _____.

- A) Mimicry
- B) Use of tools
- C) Migration
- D) Camouflage

34. Inertia is defined as

- A) A force of attraction between objects that is due to their masses
- B) A measure of the amount of matter in an object
- C) The tendency of moving object to stay in motion
- D) A measure of the force of gravity on an object's mass



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35. What are all the materials available on Earth for human use called?

- A) The hydrosphere
- B) Energy
- C) Natural resources
- D) Renewable resources

Fill in the blanks.

Check your spellings!

36. Heat moves from _____ objects to _____ objects.

37. A person that studies weather and climate is called a _____.

38. Like poles _____ and unlike poles _____.

39. Disease causing agents are called _____.

40. Each parent contributes to _____ of the genes of the offspring.

Level4 Answer Keys:

S.No	Answer
1	B
2	B
3	B
4	C
5	A
6	C
7	D
8	D
9	B
10	C
11	D
12	D
13	D
14	C
15	A
16	D
17	A
18	D
19	D
20	C
21	B
22	A
23	B
24	C
25	A
26	C
27	I
28	II
29	III
30	IV
31	C
32	C
33	D



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34	C
35	C
36	Warmer, Colder
37	Meteorologist
38	Repel, Attract
39	Pathogens
40	half