

Georgia
CRCT
online



5th Science Test B

Fifth Grade Science
Test

Practice Test

Name: _____

Date: _____

Instructions:

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

1. A green frog's color MOSTLY helps it to

- A. reproduce.
 - B. hide.
 - C. avoid harmful rays from the Sun.
 - D. stay warm during the winter.
-

2. Synthetic fabrics, such as nylon, have many advantages. One characteristic that is NOT an advantage of synthetic fibers is that they are

- A. inexpensive to manufacture.
 - B. water-resistant.
 - C. lightweight materials.
 - D. made from nonrenewable resources.
-

3. Which food groups should be eaten sparingly?

- A. breads and cereals
 - B. fruits and vegetables
 - C. milk and meat
 - D. fats and sugars
-

4. The total amount of dissolved salts found in ocean water is called

- A. sodium.
 - B. chloride.
 - C. salinity.
 - D. density.
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

5. Which is the BEST example of an adaptation used to cause confusion when a group of animals tries to run away from a predator?

- A. stripes on a zebra
 - B. smell from a skunk
 - C. long neck of a giraffe
 - D. long ears of a rabbit
-

6. William put a sugar cube in a cup of hot water. After a period of time, what happened to the sugar cube?

- A. It dissolved.
 - B. It stayed on the bottom of the cup.
 - C. It evaporated.
 - D. It changed color.
-

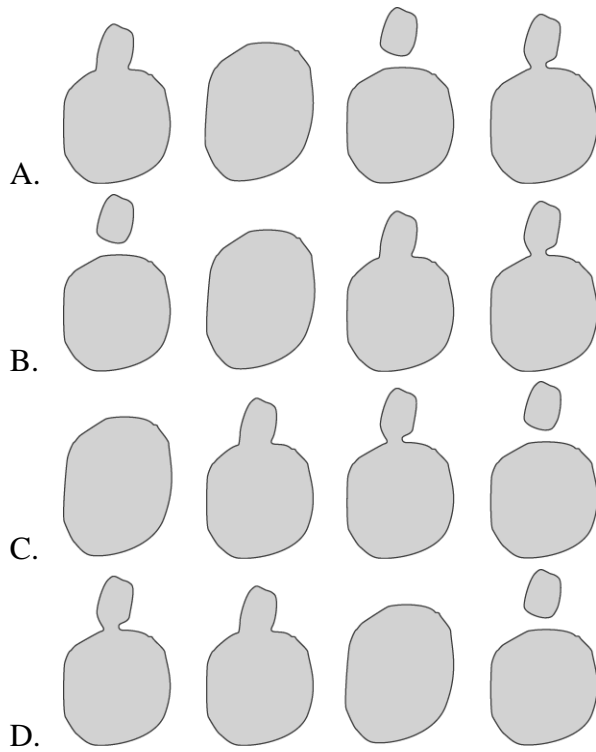
Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

7. Kara used a microscope to watch yeast cells divide. When the cells divided it looked like small buds formed. The buds pinched off and formed a new, smaller yeast cell. She drew sketches of the sequence of events. Which drawing best shows what Kara saw?



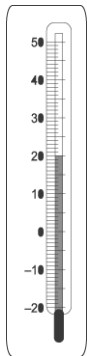
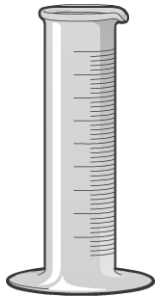
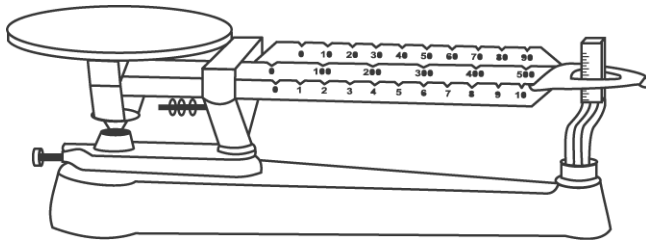
Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

8. Which tool should you use to measure the volume of a liquid?



9. Which tool could BEST be used to safely indicate if an unknown liquid is an acid or base?

- A. litmus paper
 - B. filter paper
 - C. 250 mL beaker
 - D. graduated cylinder
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

10. Rangers in a national park in Africa estimated the number of rhinoceroses that made up the rhinoceros population in the park each year. They made this chart.

Year	Number of Rhinoceroses
1980	450
1985	328
1990	285
1995	176

Based on the data in the chart, which is MOST LIKELY to be true?

- A. The rhinoceros population is competing with elephants.
 - B. In that area, the rhinoceros is likely to be an endangered species.
 - C. A severe drought is affecting the climate in Africa.
 - D. Hunting rhinoceros is banned in national parks.
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

Use the table below to answer question 11.

Weight of Paper Airplane	Time of Flight
10 grams	15 seconds
15 grams	11 seconds
20 grams	8 seconds
25 grams	5 seconds
30 grams	3 seconds

11. Bob's science class was studying flight using a paper airplane. Paper clips were added to the plane to change the weight. Which conclusion is supported by the data in the table?

- A. Lighter planes stay up for less time.
- B. Lighter planes stay up longer.
- C. The weight of the plane makes no difference.
- D. Heavier planes stay up longer.

12. A scientist wants to examine the features on the ocean floor. What equipment should he use?

- A. echo-sounder
 - B. radio telescope
 - C. plankton sampler
 - D. seismograph
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

Use the chart below to answer question 13.

Lap Number	Time Completed
1	22.5 seconds
2	20.0 seconds
3	17.0 seconds
4	16.4 seconds

13. A race car completes its laps as shown. The chart indicates that the car is

- A. accelerating.
 - B. increasing inertia.
 - C. maintaining its velocity.
 - D. increasing its potential energy.
-

14. During winter's cold weather, water within cracks in rocks freezes, expands, and causes the rocks to break. This process is called

- A. weathering.
 - B. erosion.
 - C. despoiling.
 - D. purging.
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

15. A new organism is observed. The table below shows the information gathered about the organism. Into which kingdom is the organism BEST classified?

Characteristic	Unknown Organism
single-celled or multicelled	multicelled
nucleus	yes
cell walls	yes
chloroplasts	no
photosynthesis	no
nutrition	absorbs nutrients from surroundings

- A. Protists
 - B. Plants
 - C. Fungi
 - D. Animals
-

16. Which example shows how Earth's surface has been changed by fast-moving water?

- A. earthquake
 - B. canyon
 - C. volcano
 - D. freshwater lake
-

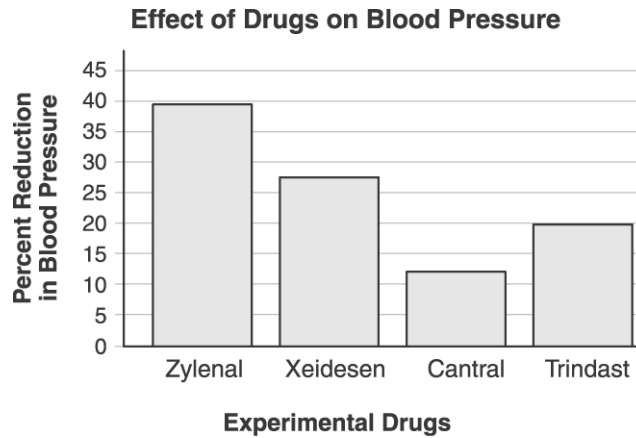
Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

Use the graph below to answer question 17.



17. Which drug is LEAST effective in reducing blood pressure?

- A. Zylenal
 - B. Xeidesen
 - C. Cantral
 - D. Trindast
-

18. The formation of a gorge is MOST LIKELY a result of

- A. earthquakes.
 - B. volcanoes.
 - C. water erosion.
 - D. plate tectonics.
-

19. Which adaptation is most important for allowing land mammals to obtain oxygen?

- A. fins
 - B. gills
 - C. pores
 - D. lungs
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

20. Which characteristic of oceans shows that they are in constant motion?

- A. their organisms
 - B. their shape
 - C. their depth
 - D. their tides
-

21. Which is the basic unit of all matter?

- A. atom
 - B. compound
 - C. electron
 - D. molecule
-

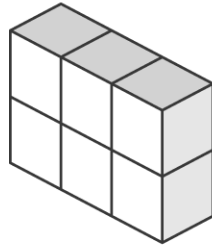
Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

Use the pictures below to answer question 22.



1



2

22. Two objects of different shapes are each made from 6 cubes stuck together as shown above. If all the cubes are exactly alike, how do the two objects compare in weight and volume?

- A. Both weigh the same and have the same volume.
 - B. Both weigh the same but object 1 has the greater volume.
 - C. Object 2 weighs more and has the greater volume.
 - D. Object 1 weighs more but both have the same volume.
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

Use the table below to answer question 23.

1 H 1.008																	2 He 4.003
3 Li 6.94	4 Be 9.01											5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18
11 Na 22.99	12 Mg 24.31											13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.06	17 Cl 35.45	18 Ar 39.95
19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.90	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.70	29 Cu 63.55	30 Zn 65.38	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80
37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (97)	44 Ru 101.07	45 Rh 102.91	46 Pd 106.4	47 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.69	51 Sb 121.75	52 Te 127.60	53 I 126.90	54 Xe 131.30
55 Cs 132.91	56 Ba 137.33	*57 La 138.91	72 Hf 178.49	73 Ta 180.95	74 W 183.85	75 Re 186.21	76 Os 190.2	77 Ir 192.22	78 Pt 195.09	79 Au 196.97	80 Hg 200.59	81 Tl 204.37	82 Pb 207.2	83 Bi 208.98	84 Po (209)	85 At (210)	86 Rn (222)
87 Fr (223)	88 Ra 226.03	**89 Ac (227)	104 Unq (261)	105 Unp (262)	106 Unh (263)	107 Uns (262)											
*Lanthanide Series																	
58 Ce 140.12	59 Pr 140.91	60 Nd 144.24	61 Pm (147)	62 Sm 150.4	63 Eu 151.96	64 Gd 157.25	65 Tb 158.93	66 Dy 162.50	67 Ho 164.93	68 Er 167.26	69 Tm 168.93	70 Yb 173.04	71 Lu 174.97				
**Actinide Series																	
90 Th 232.04	91 Pa 231.04	92 U 238.03	93 Np 237.05	94 Pu (244)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (254)	100 Fm (257)	101 Md (258)	102 No (259)	103 Lr (260)				

23. All of the elements we know are shown in this table. This table is called

- A. the molecular table.
- B. the atomic theory table.
- C. the matter table.
- D. the periodic table.

24. The negative effects of overfishing a particular ocean species, such as salmon, can be decreased BEST by

- A. feeding salmon.
- B. farming salmon.
- C. fishing for only small salmon.
- D. protecting salmon from predators.

Name: _____

Test: 5th Science Test B

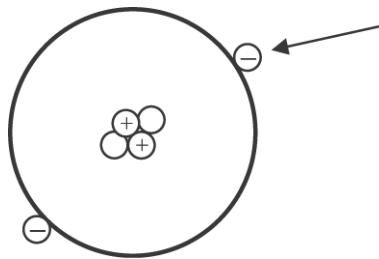
Date: _____

Teacher: Practice Test

25. Carbon dioxide (CO₂) is made of carbon and oxygen

- A. atoms.
 - B. compounds.
 - C. electrons.
 - D. molecules.
-

Use the model of the atom below to answer question 26.



26. In this model of the atom, the arrow points to the

- A. proton.
 - B. neutron.
 - C. electron.
 - D. molecule.
-

27. A small steel ball bearing and a large glass marble were dropped from the same height at the same instant. Which would happen?

- A. They would hit the floor at the same time.
 - B. The steel ball bearing would hit first because it is smaller.
 - C. The glass marble would hit first because it is larger.
 - D. The steel ball bearing would hit first because it is heavier.
-

Name: _____

Test: 5th Science Test B

Date: _____

Teacher: Practice Test

28. If you added sand to a container until you doubled the container's weight, you would also double the container's

- A. volume.
 - B. temperature.
 - C. mass.
 - D. pressure.
-

29. The flattest part of the ocean floor is the

- A. trench.
 - B. abyssal plain.
 - C. continental shelf.
 - D. mid-ocean rift valley.
-

Use the data chart below to answer question 30.

Bean Plant	Amount of Fertilizer	Growth After 2 Weeks
A	0 grams	2 cm
B	2 grams	4 cm
C	4 grams	6 cm
D	6 grams	7 cm
E	8 grams	8 cm

30. The chart shows the results of Jackie's experiments growing bean plants. What was she studying?

- A. the effect of water on bean plant growth
 - B. whether fertilizer slows the growth of plants
 - C. whether fertilizer can harm the environment
 - D. the effect of fertilizer on bean plant growth
-