

NAME \_\_\_\_\_  
ROOM # \_\_\_\_\_

**\*\*\*PLEASE BRING ON TESTING DAY\*\*\***

**SIXTH GRADE KNOWLEDGE-A-THON 2012**

1. Living things or things that have lived are called what? ***Biotic***
2. A large area of similar climate and organisms is called what? ***Biome***
3. Name the biome in which we live. ***Temperate Deciduous Forest***
4. Name the eight major biomes. ***Temperate Deciduous Forest, Rain Forest, Grassland, Desert, Tundra, Taiga, Fresh water, Salt water***
5. What are the three states of matter? ***Solid, liquid and gas***
6. The one item which is changed in a science experiment is called what? ***Variable***
7. The use of food and oxygen to create energy is called what? ***Respiration***
8. A marine biome is another name for what? ***Ocean or salt water***
9. The way something is put together is its \_\_\_\_\_. ***Design***
10. What do the following instruments measure:  
Thermometer ***Temperature***  
Barometer ***Air pressure***  
Anemometer ***Wind speed***  
Hygrometer ***Humidity***  
Rain Gauge ***Precipitation***
11. What is a cyclonic storm called when it forms over the:  
Atlantic Ocean ***Hurricane***  
Pacific Ocean ***Typhoon***  
Indian Ocean ***Cyclone***
12. Weather occurs in what layer of the atmosphere? ***Troposphere***
13. List the layers of the atmosphere in order from the earth's surface. ***Troposphere, Stratosphere, Mesosphere, Thermosphere, Exosphere***

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| 14. Name the process by which plants make their own food?                           | <b><i>Photosynthesis</i></b>   |
| 15. The scientific term for plant movement is what?                                 | <b><i>Tropism</i></b>  |
| 16. What are the two main causes of the seasons?                                    | <b><i>Tilt and revolution of the earth</i></b>   |
| 17. What is an equinox?   | <b><i>The time of year when the sun is directly over the equator and the days are the same length as the nights all over the world</i></b> |
| 18. $3 + X$ is an example of a/an _____?  | <b><i>Algebraic expression</i></b>   |
| 19. How many faces does a cube have?  | <b><i>6</i></b>  |
| 20. Name the four steps in mathematical problem solving.                            | <b><i>Understand the problem, make a plan, carry out the plan, look back to see if solution is reasonable</i></b>                          |
| 21. A quadrilateral with one pair of parallel sides is called a _____?              | <b><i>Trapezoid</i></b>  |
| 22. Two figures with the same shape, but not necessarily the same size, are called? | <b><i>Similar shapes</i></b>   |
| 23. $3.14$ or $22/7$ or $3 \frac{1}{7}$ is = ?                                      | <b><i>pi</i></b>   |
| 24. The amount of matter something contains is its?                                 | <b><i>Mass</i></b>   |
| 25. What is the reciprocal of $\frac{3}{4}$ ?                                       | <b><i>4/3</i></b>  |
| 26. The distance around a circle is called?   | <b><i>Circumference</i></b>  |
| 27. Part of a line having only one endpoint is called?                              | <b><i>Ray</i></b>  |
| 28. In $8^3$ the 3 is called the _____?   | <b><i>Exponent</i></b>   |
| 29. In a list of numbers, the number that occurs most often is called the?          | <b><i>Mode</i></b>   |
| 30. An angle less than $90^\circ$ is a/an?  | <b><i>Acute angle</i></b>  |

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31. Name four parts of speech. ***Noun, pronoun, adjective, adverb, verb, preposition, conjunction, interjection and article***
32. What does the word "aerobic" mean? ***With oxygen***
33. Name the northern and southern boundaries of the tropical zone and state the location of each? ***Tropic of Cancer 23 ½ N. Latitude. Tropic of Capricorn 23 ½ S. Latitude***
34. What is 0° latitude called? ***Equator***
35. What is 0° longitude called? ***Prime meridian***
36. What two bodies of water are connected by the Panama Canal? ***Atlantic and Pacific Oceans***
37. What is the poorest nation in the Western Hemisphere? ***Haiti***
38. What are the three types of islands that make up the Caribbean Islands? ***Volcanic, coral or limestone and continental***
39. Name two landlocked countries of South America? ***Bolivia and Paraguay***
40. Name the person who holds each office:  
President ***Barack Obama***  
Vice President ***Joe Biden***  
Governor of Wisconsin ***Jim Doyle***  
Mayor of Appleton ***Tim Hanna***
41. Fidel Castro began to control Cuba in 1959? Is he still in power? And if not, who is? ***No. Fidel's brother, Raul Castro, was elected President in February 2008.***
42. What ancient civilization was located in northern Guatemala and the Yucatan Peninsula of Mexico? ***Maya***
43. What is the capital of Canada? ***Ottawa***
44. Name two early European explorers of Canada? ***Jacques Cartier, Hendry Hudson, Samuel de Champlain, John Cabot***

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45. Which Canadian province is the largest in area?  
The largest in population? **Quebec  
Ontario**
46. Who were the first Canadians? **Native American groups such as the  
Haida, Nootka and Inuit**
47. What is an ensemble in music? **A group of musicians who play or  
sing together.**
48. What does SATB stand for in choral music? **Soprano, Alto, Tenor & Bass**
49. Name the main exports of Central America? **Coffee, bananas and cotton**
50. What is a hieroglyph? **Picture or symbol used in ancient  
writing**
51. What is found in many fruits and vegetables and is  
a complex carbohydrate that helps digestion? **Fiber**
52. What form of exercise conditions the heart and  
makes it stronger? **Aerobic**
53. Name three freshwater habitats. **River, stream, creek, lake, pond, bog,  
swamp, marsh**
54. What heart rate is also called your training heart  
rate, and is measured immediately after exercising? **Target**
55. What nutrient should make up at least 50% of your  
daily diet? **Carbohydrate**
56. Heart disease, stroke, and some cancers are  
caused by diets too high in what nutrient? **Fat**
57. What is the most important of all nutrients? **Water**
58. What is a substance that changes color when an  
acid is present? **Indicator**
59. Eating what fruit can prevent cramping during a  
physical activity? **Bananas**

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60. Sunshine is a good source of what vitamin? ***Vitamin D***
61. What a character says is one way to develop a character. Name the other three. ***What s/he does (actions), what s/he thinks/feels, others reactions to the character***
62. One type of conflict in a story is person vs. self. Name the other two. ***Person vs. person, person vs. nature***
63. Name 3 main reasons of an authors purpose for writing. ***Persuade, inform entertain***
64. Exercising your heart will increase what? ***Endurance***
65. What are the three components of health related fitness? ***Strength, flexibility, cardiovascular***
66. What is another name for your heart rate? ***Pulse rate***
67. What do you call the ability to hold a position? ***Balance***
68. Reading section \_\_\_\_\_ is the main character in a story. ***protagonist***
69. What is the range of movement of a muscle or joint? ***Flexibility***
70. How many hours of sleep at night should you be getting? ***8 to 10 hours***
71. What is the best way to relieve stress? ***Exercise***
72. Reading \_\_\_\_\_ is the person/thing that fights against (opposes) the main character in a story. ***Antagonist***
73. What is America's most popular form of exercise? ***Walking***
74. How many days per week do doctors recommend exercising? ***Three or more***
75. What kind of disease can exposure to sun cause? ***Skin cancer***

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76. What is a synonym?  
What is an antonym? ***Words that mean the same  
Words that mean opposite***
77. What is another word for carbohydrate? ***Sugar***
78. Eating simple carbohydrates may cause what to rise? ***Blood sugar level***
79. What mineral helps bones become strong? ***Calcium***
80. One point of view from which a story can be told is third person omniscient. Name two other points of view. ***1<sup>st</sup> person, 3<sup>rd</sup> person limited***
81. What muscle lies deep within your body and never truly stops? ***Heart***
82. A lack of potassium can cause you to do what during activity? ***Cramp up***
83. What are three ways to end bullying? ***Responsibility, courage, honesty, caring, respect***
84. What are the three steps in "How to Stop a Bully"? ***1. Say "STOP!" 2. Think 3. Report***
85. Running is an example of what kind of exercise? ***Aerobic***
86. What part of the blood attacks foreign invaders? ***White blood cells***
87. What is the average life of a red blood cell? ***120 days***
88. Where are red blood cells made? ***Bone marrow***
89. What is the name of the tissue that connects bones to bones? ***Ligament***
90. What makes up most of your body? ***Water***
91. What is the tissue between your knees, in your ears, and your nose? ***Cartilage***

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92. What is the tissue that connects muscles to bones? ***Tendons***
93. Blood leaves the heart through what? ***Arteries***
94. What part of the body allows bones to work together to allow you to move? ***Muscle***
95. What part of the blood works to carry oxygen and nutrients? ***Red blood cells***
96. One type of triangle is scalene. Name 2 others. ***Equilateral, isosceles***
97. The number of calories burned during exercise is affected by body weight, intensity of workout, conditioning level and what other factor? ***Metabolism***
98. Drug use damages what body system and causes drug users to get more infections and illness? ***Immune***
99. What drug is the most widely abused in the United States? ***Alcohol***

**Bonus Questions**

1. What percent of the atmosphere is Nitrogen? ***78%***
2.  $6 \times 16 = (6 \times 10) + (6 \times 6)$  is an example of what property? ***Distributive property***
3. List the six traits of good writing. ***Message, organization, voice, word choice, sentence fluency, conventions***

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You can learn these facts.  
We believe in you.  
Believe in yourself. You are really smart and special!!!!