**3rd Quarter Exam – Study Guide Key Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Science \_\_\_\_\_\_**

1. **The layer of gases that surrounds the earth**
2. **21%**
3. **A form of oxygen with three atoms in each molecule**
4. **Provides all the gases that living things need to survive**
5. **Allows water to remain as a liquid**
6. **Sunlight**
7. **Density = mass/volume**
8. **Less dense the air**
9. **Comes from all the air above your roof**
10. **Barometer**
11. **Does not contain liquid**
12. **Decreases**
13. **There is less oxygen in each cubic meter of air**
14. **Troposphere**
15. **Ultraviolet radiation**
16. **Mesosphere**
17. **Ultraviolet**
18. **Ozone**
19. **Infrared radiation**
20. **Thermal energy**
21. **0ᵒC**
22. **Conduction**
23. **Radiation**
24. **Cold air is more dense than warm air**
25. **Air pressure**
26. **Be more dense and flow under warm air**
27. **Anemometer**
28. **Blow from specific directions over long periods**
29. **Coriolis effect**
30. **Weak winds**
31. **Psychrometer**
32. **A wet bulb and a dry bulb thermometer**
33. **The presence of particles**
34. **Cumulonimbus clouds**
35. **Precipitation**
36. **Continental polar**
37. **Hot and dry**
38. **West to east**
39. **Cold front**
40. **Stationary front**
41. **Warm front**
42. **Tornado**
43. **Large cumulonimbus clouds**
44. **Texas and Kansas**
45. **Warm ocean water**
46. **Is calm**
47. **Storm surge**
48. **A violent disturbance in the atmosphere**
49. **In the basement of a well-built building**
50. **High Winds**
51. **Avoid touching electrical appliances; get out of the water; and don’t go under a tree**
52. **Leave the area immediately**
53. **Meteorologists**
54. **Radar**
55. **Air pressure**
56. **Rock samples**
57. **Recording and studying seismic waves**
58. **Crust, mantle, outer core, and inner core**
59. **A dense ball of solid metal**
60. **Heat transfer**
61. **Radiation**
62. **Convection currents**
63. **Eventually stop**
64. **The continents were once joined together in a single land mass**
65. **The name of the supercontinent that existed millions of years ago**
66. **Sonar**
67. **Along mid-ocean ridges**
68. **By determining the age of rock samples obtained by drilling on the sea floor**
69. **Rocks formed by the rapid hardening of molten material**
70. **Subduction**
71. **Convection currents in the mantle**
72. **Plate tectonics**
73. **Transform boundary**
74. **divergent boundary**
75. **Layers**
76. **A layer of molten rock**
77. **Outer core**
78. **Earth’s mantle**
79. **Mountain range**
80. **fossil**
81. **Convergent boundary**
82. **No materials that were once part of living things**
83. **Crystal**
84. **Not naturally occurring**
85. **Still show the same crystal structure**
86. **diamond**
87. **talc**
88. **coarse grained**
89. **igneous rock**
90. **deep underground**
91. **Extrusive rock**
92. **Granite**
93. **Deposition**
94. **Cementation**
95. **Organic rock**
96. **Metamorphic rock**
97. **The heat of the mantle**
98. **Rock cycle**
99. **Sedimentary rock**

**100. Metamorphic rock**