* Matter is made of atoms and molecules.
* Water, for example, is the H2O molecule.
* This means that a molecule of water has 3 atoms.
* A water molecule has 2 hydrogen toms and one oxygen tom.
* Substances as sugar have many atoms in their molecules.
* A molecule of sugar has many atoms, including carbon, hydrogen and oxygen.
* Matter is made of molecules, such as H2O, which is the water molecule.
* Matter can be one of three states: solid, liquid or gas.
* Water and ice are the same substance, but they are in different states.
* These states depend on the temperature of the molecules.
* When we heat a substance, the molecules move faster and try to take up more space.
* When we cool a substance, the molecules move more slowly.
* When we cool s substance to its freezing point, it becomes a solid.
* In a solid, the molecules move very little.
* Their positions are almost fixed.
* To be fixed means that their positions don’t change.
* If we heat the molecules, they move faster and away from each other.
* The solid begins to melt, like ice cream on a hot day.
* At a certain temperature, a solid begins to change into a liquid.
* The temperature at which a solid changes into a liquid depends on the substance.
* For water, the solid begins to change into a liquid when its temperature rise to above 0 degrees Celsius.
* For some substances, such as steel, the temperature at which it becomes a liquid is much higher.
* Steel often melts at around 1370 degrees Celsius.
* If we continue to heat a liquid, the molecules move even faster.
* At a certain temperature, the liquid begins to change into a gas.
* For water, the liquid begins to change into a gas at 100 degrees Celsius.
* That is the boiling point of water.
* Inside a star, such as our Sun, the temperature is very high.
* Everything inside the Sun is a gas.
* According to scientists, there are over 65 elements inside the Sun.
* These include oxygen and iron.
* Over 90 percent of the Sun is hydrogen gas.
* Yesterday there was an important science test.
* Lisa, Tom and 20 other classmates took the test.
* The test was about the states of matter and how they are different.
* There were 25 questions on the test, and they had 45 minutes to take it.
* Here are some of the test results.
* Two students got perfect scores.
* The lowest of score was 68 out of a hundred.
* The average of score was 86.3.
* Eleven students scored higher than average.
* Eleven students had below average scores.
* Tom missed two questions on the test, so his score was 92.
* His score was the eighth highest in the class.
* Lisa missed two and a half questions, so her score was 90.
* Her score was the tenth highest score.
* Her score was 4 points higher than the average score.
* Lisa was disappointed with her test results.
* She studied hard for the test, but she still didn’t do well.
* As a result, she plans to study harder for the next test.
* The next test will be in about two weeks.
* Tom was surprised and happy with his test results.
* He didn’t study hard, so his result was better than he expected.
* He was also happy that his did better than Lisa did.