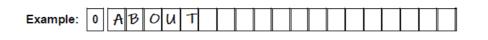## Part 2

For questions **9 – 16**, read the text below and think of the word which best fits each space. Use only **one** word in each space. There is an example at the beginning (**0**). Write your answers **IN CAPITAL LETTERS on the separate answer sheet**.

Example: | 0 | A | B | O | U | T | | | | | | | | | | | | | |

The Trebuchet

The trebuchet was a powerful medieval siege engine that brought **(0)** ………… revolutionary change in warfare during the Middle Ages. Designed to hurl heavy projectiles **(9)** ………… long distances, the trebuchet was instrumental in breaching fortified walls and castles. Unlike earlier siege weapons such as the catapult, which relied on tension, the trebuchet utilized the principle of leverage, **(10)** ………… it far more effective in terms of range and power.

There were two main types of trebuchets: the counterweight trebuchet and the traction trebuchet**.** The traction trebuchet, the concept of **(11)** ………… is believed to have originated in China around the 4th century BCE, relied on teams of people pulling ropes to generate force. The counterweight trebuchet, which emerged in the 12th century in Europe, used a large, heavy counterweight attached to a pivoting arm. When the counterweight dropped, it **(12)** ………… the long arm to swing upward, launching the projectile with remarkable speed and accuracy.

Trebuchets could hurl a variety of projectiles, including stones, burning materials, and **(13)** ………… diseased carcasses to spread illness within besieged cities. Some trebuchets were capable of launching projectiles weighing over 300 pounds for distances of more than 300 meters.

The thinking **(14)** ………… the trebuchet reflects a sophisticated understanding of physics, particularly the concepts of potential energy, kinetic energy, and leverage. Its effectiveness made it a dominant siege weapon until the late Middle Ages, when gunpowder **(15)** ………… its first forays onto the battlefield.

Today, modern enthusiasts build scaled models to show **(16)** ………… the impressive power of this ancient machine, showcasing the ingenuity of medieval engineering. The trebuchet remains a fascinating symbol of pre-modern warfare and human innovation.

Answers

9 over/across   10 making 11 which 12 caused 13 even 14 behind 15 made

16 off