**I. Read and translate the text.**

**ARTIFICIAL INTELLIGENCE. ROBOTS AND ANDROIDS**

Robots and automata.

A robot is a computer-programmed machine that performs actions, manipulates objects, etc. In many cases and repetitive way.

Robots may be automata, or man-like machines, whose basic components are similar to a human body.

* they have mechanical links, which connect their movable parts;
* their heart and muscles are the electric or pneumatic motors or systems;
* robots have tools or grippers, called end effectors;
* they may be equipped with cameras or infrared controls, which transmit information to the central system to locate objects or adjust movements;
* robots depend on a computer system.

Artificial Intelligenceis the science that tries to recreate the human though process and build machines that perform tasks that normally require human intelligence. It has several applications.

Androids are anthropomorphic robots designed to look and behave like a human being. Most androids can walk, talk and understand human speech. Some react to gestures and voice inflection. They store information and adapt their behaviour according to a previous experience.

**2. Complete the article with words from the text**

**Action Robot to Copy Human Brain**

Scientists at Aberystwyth University are working on a machine which they hope will recognize objects with cameras that will work as ............. , and retrieve objects with an arm that will be its .............. .................. .

Although the arm will have .................. that will link its muscles and an electric motor that will be the ................ , this new ................. won’t move like a human, it won’t be like the .............. of science-fiction films: forget Star Wars. It will be desk based: no walking, or climbing stairs.

The team hopes to discover how the brain performs “multi-tasking” and to use that information to develop the ................ ................. to create a robot that can think for itself.

**3. Complete the extracts with words from the text**

The term ............ is defined as the automation of intelligent behaviour, but can ............... really be intelligent?

................ are made of units that resemble neurons. They are often used to simulate brain activity and are effective at predicting events.

................ , also known as knowledge-based systems, mirror the structure of an expert’s thought.

**4. Make a list of other uses of robots at home and at work.**