How something works

1 Complete the descriptions of how these objects work with the correct form of the words and phrases in the boxes. In some cases, more than one answer may be possible.

1. A thermostat

adjust	bend	connect	contain	contract	cool down
disconnect	expand	heat up	turn off		

A thermostat *contains* a strip or coil of steel and a strip or coil of copper, one on top of the other. As the strip / coil ....., the metals ....., but one does it faster than the other. The strip / coil .....and .....with a switch, which ..... the power supply. When the strip / coil ....., the metals ..... and the switch is ..... The thermostat is ..... using a dial or other control.

2. A disc player

convert	decrease	hear	increase	insert	replace	spin
strike	view					

A disc player (for example, in a computer) has several component parts. A disc is ..... into the player and begins to ..... . At the same time, a thin beam of light called a laser ..... the disc and ..... digital signals into sounds or images, which can be ..... through speakers or ..... on a screen. Volume or brightness can be ..... or ..... by means of a button, knob or other control. Nowadays, discs are largely being ..... by storage devices like memory sticks, which have no moving parts.

3. An aerosol

compress	expand	leave	mix	open	push	release

In an aerosol, liquid and gas are ..... in a metal and / or hard plastic tube. This can be ..... from the tube by ..... a button, which ..... a valve. When the liquid-gas combination ..... the tube and ..... with oxygen, it rapidly ..... .

4. An aircraft

accelerate	create	flow	form	made	move	pull	produce

Most aircraft are ..... of aluminium, and require two forces to allow them to fly: thrust and lift. As the aircraft ..... forward on the ground under the power of its engines, air ..... over the wings. As it ..... faster, ... more thrust, a vacuum is ..... over the wings. This ..... lift. The aircraft is ..... into the air by the force of this lift.

5. A digital camera

adjust	consist	control	download	enter	hit	open	press
record	store						

A digital camera ..... of two main parts: a body and a lens. When a button is ..... on the body, a window in the lens called a *shutter* ..... and light ..... the camera. The amount of light going into the camera is ..... by both the speed of this shutter, and a smaller window called an *aperture*. Both the shutter speed and the size of the aperture can be ..... by the person using the camera. The light ..... a sensor in the body of the camera, which ..... the light as a digital image. The image is ..... on a memory card in the camera, and this can later be ..... on to a computer.