## 3. COMPARISON

**Comparison** is one of the ways of relating ideas and objects to each other. The comparison can either be one of **difference** or one of **similarity**. Of course, comparison is frequently expressed by means of grammatical forms such as the comparative and the superlative. However, there is also a large store of lexical items which express similar meanings. For example:

- "to accelerate" means "to go faster",
- "the two samples are similar" means that they have been compared.

S	elf evaluation – entry test
	Fill in the blanks, using comparatives, superlatives or other lexical forms.  Example:
	Before building the prototype, <b>fu</b> research will be necessary. (more)  Before building the prototype, <b>further</b> research will be necessary.
1.	In the early 1970s, <b>bo</b> the American and Russian space agencies began exploring the possibility of long-term habitation in space. (the two of them)
2.	The upper salinity limit for irrigation is <b>te</b> than 15% of the salt content of seawater. (≠ more)
3.	Fever has a useful medical function; it not only increases the metabolic rate, but the <b>ho</b> environment facilitates the destruction of pathogens. (higher temperature)
4.	<b>Un</b> true organisms, viruses are unable to synthesise proteins because they lack ribosome. (as opposed to)
5.	Many of the drugs prescribed for human therapy are the <b>sa</b> those used for farm animals. (identical – 2 words)
6.	Chemicals can be added to vary the properties of the glass. For example, the addition of lead oxide <b>en</b> the refractive index. (makes better)
7.	Fleming noticed that a penicillin solution prevented the <b>sp</b> of bacteria. (growth, proliferation)
8.	The smallest blood cells (averaging 2-4 micrometers in diameter) grow <b>ha</b> filaments from their membranes. (similar to hair)
9.	Im production techniques have enabled industrialists to reduce the risk of fire. (better)
10.	Wegener was able to demonstrate the movement of tectonic plates by <b>ma</b> the shapes of the five continents. (comparing, fitting together)

synonyms.	
can then be bent into	MNEMOSCIENCE, a German company specialising in polymer technology, has announced its intention to market "shape-memory polymers" (SMPs) in the near future. Dr Andreas Lendlein, of the "German Wool Research Institute" at Aachen, in collaboration with Prof. R. Langer of MIT, are currently developing a new family of en
is "Nitinol", a nickel-tita applications and med considerable number far wider range of app are much	ances are, in fact, not new. The
<ul> <li>By varying the prop tions can be adjust that SMPs with pre can be designed to</li> </ul>	ter the transient temperature has been reached is much faster. ortions of the two monomers, the specification of deformated with
compatible and bid the potential rang applications. It will which do not requi	considerably

■ You can use suffixes to form nouns or verbs: -(at)ion • -sion • -ise<sup>6. Notes 1</sup>.

Examples: to vary → variation; to divide → division; character → to characterise.

Verbs	Nouns	
It is cheaper to <b>regulate</b> the temperature automatically.	Automatic temperatureis more economical.	
2. If gases very rapidly, cryogenic temperatures are attained.	Rapid <b>expansion</b> of the gases produces temperatures of below 120 Kelvin.	
3. The committee was set up to standardise civil aviation procedures.	His job involves theof aviation safety procedures.	
4. People get old because the body genetic damage.	Ageing is a result of the <b>accumulation</b> of genetic damage.	
5. The first atomic bomb <b>exploded</b> on August 6, 1945.	80,000 people were killed in the Hiroshima	
6. The astronauts are provided with a 14-day supply of <b>pressurised</b> oxygen.	The oxygen supply is stored under	
7. Solar energy is from hydrogen.	The <b>generation</b> of solar energy involves the conversion of hydrogen.	
8. Heat losses can beby thermal protection.	Efficient insulation reduces heat losses to a <b>minimum</b> .	
9. It was necessary to <b>extend</b> the research facilities.	Because of the increase in staff, an had to be built.	

## Self evaluation – exit test

## ■ Supply the missing words.

1.	As a result of the dust cloud raised by the impact of a large asteroid <b>ne</b> heat light would penetrate the Earth's atmosphere.			
	(not one, not the other)			
2.	Optical fibres will produce <b>en</b> performances for computers. (better)			
3.	The government would like to <b>bo</b> imports. (help to improve)			
4.	The two colours do not <b>ma</b> (go together)			
5.	The disease is <b>sp</b> rapidly. (advancing)			
6.	The constant stress and vibration <b>we</b> the metal. (# make stronger)			
7.	Chameleons, <b>un</b> human beings, can survive a drop of 46% of the body fluid. ( <i>in contrast to</i> )			
8.	The reason why NASA is interested in nuclear propulsion is that space travel would be $\dots$ fast. (x 2)			
9.				
	(+ people poor / – they eat)			
10.	If you drive up the hill too fast, the engine will <b>ov</b> (get too hot)			