### The Use of Thermometers

1. State that a thermometer requires some measurable physical property that ch with temperature.	anges
2. Describe the operation of a liquid in glass thermometer.	
3. Describe the main differences between a clinical and ordinary thermometer.	
4. Describe how body temperature is measured using a clinical thermometer.	
5. Explain the significance of body temperature in diagnosis of illness.	

### **Using Sound**

1. State that a solid, a liquid or a gas is required for the transmission of sound.
2. Explain the basic principles of a stethoscope as a "hearing aid"
3. State that high frequency vibrations, beyond the range of human hearing, are called ultrasounds
4. Give an example of the use of ultrasound in medicine.
5. State that sound loudness is measured in decibels.
6. Give a few examples of sound levels in the range 0 dB - 120 dB

### **Light and Sight**

1.	Describe a simple experiment to find the focal length of a spherical convex lens.
2.	Describe the focusing of light on the retina of the eye.
3.	State the meaning of long and short sight
4.	Explain the use of lenses to correct long and short sight
5.	Explain the use of fibre optics in the endoscope (fibroscope).

#### **Using the Spectrum**

At the end of the section I can:
1. Describe one use of X-rays in medicine.
2. State that photographic film can be used to detect X-rays.
3. Describe the use of ultraviolet and infrared in medicine.

- 4. State that excessive exposure to ultraviolet radiation may produce skin cancer.

#### **Nuclear Radiation**

1.	State that radiation can kill living cells or change the nature of living cells.
2.	Describe one medical use of radiation based on the fact that radiation can destroy cells (e.g. instrument sterilisation, treatment of cancer).
3.	Describe one medical use of radiation based on the fact that radiation is easy to detect.
4.	State that radiation energy may be absorbed in the medium through which it passes.