

- 6 (a) Explain what is meant by the *diffraction* of a wave.

.....

.....

..... [2]

- (b) (i) Outline briefly an experiment that may be used to demonstrate diffraction of a transverse wave.

.....

.....

..... [3]

- (ii) Suggest how your experiment in (i) may be changed to demonstrate the diffraction of a longitudinal wave.

.....

.....

..... [3]