**2.1 transmission media and bit streaming**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_ class\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Write down five signal transmission media, do not look at the following parts.
2. (a) Give **three** benefits of fibre-optic cable over copper cable.

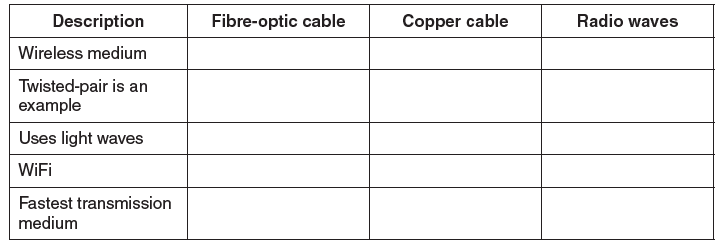
(b) Give **two** benefits of copper cable over fibre-optic cable.

Advantages of copper cable

Advantages of fibre-optic cable

1. Three methods of connecting devices include fibre-optic cables, copper cables and radio waves. The table below gives descriptions relating to these connection methods.

Tick (✓) one box on each row to show the method that best fits each description.

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3. (a) Explain the term bit streaming.

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(b) A person watches a film streamed from a website on a tablet computer.

**(i)** Give **two** benefits of using bit streaming for this purpose.

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**(ii)** State **two** potential problems of using bit streaming for this purpose.

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**(c)** Explain the terms on-demand bit streaming and real-time bit streaming.

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