**Representing Data Worksheet**

1. What is meant by a “two-state-system”? How does this relate to digital computing systems?
2. What is the difference between data and information?
3. Describe how text is represented in computing systems.
4. What is the difference between the ASCII code and Unicode?
5. Describe how digital images are stored on computers (use the words: ***pixel***, ***resolution*** and ***colour depth***).
6. Explain how ***sample rate*** and ***bit depth*** affect the quality of digitised sound.
7. Sound in the real world has an analogue signal: what does this mean?