1) Currently, patients with severe liver disease or failure have to wait for a suitable liver donor. Why do you think there's a shortage of liver donors in the UK? Why does Alex, who is of Asian descent, have to wait even longer? (See Imagine this scenario, p01)

2) What are pluripotent stem cells? (See What are stem cells? p01)

3) What does the liver do? Can you name some of its functions that aren't listed in the article? (See What does the liver do? p01)

4) What are some of the causes of liver damage? (See https://www.nhs.uk/conditions/liver-disease/)

5) Why is liver damage so bad for the body? (See What does the liver do? p01)

6) Severe liver disease is normally treated by transplanting a healthy liver from a donor into the body. What are the possible risks and complications associated with such an operation? (See How is severe liver disease normally treated? pX)

7) In the article, Dave mentions that his hepatocyte-like cells “possess major foetal and neonatal attributes”. Discuss what this implies in terms of the stem cell’s origin, and why that introduces ethical issues. (See How do you make new liver cells? p02)

8) From where is agarose derived and how is it used in the lab? (See How do you make new liver cells? p02)

9) What is a clinical trial? (See How long will it be before lab-grown livers are used to treat patients? p02)