Read the above article ‘The hunt is on’ up to the end of the section ‘Having a smashing time’ and answer the following questions.

1. Which two countries are involved in the race for a new element?
2. How many atoms were observed to confirm the discovery of element 113?
3. Using a full periodic table and the article, work out how many elements are reported in the periodic table but not found on Earth.
4. Describe how a new superheavy element is made.
5. Give two reasons why it is so difficult to make a superheavy element.