

Concept Review

Section: Compounds and Molecules

1. **Explain** what holds compounds together.

2. **Describe** the difference between a ball-and-stick model and a space-filling model of a compound.

3. **Explain** why adding flexible springs to the ball-and-stick model would make the model more accurate.

4. **Explain** why a substance with a network structure has a high melting point.

5. **Contrast** the structure of table salt and table sugar.

6. **Predict** whether a compound with a boiling point of 68°C is likely to be a network solid or in the form of individual molecules.
