Torn crystal and van der Waals forces

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Scientists in Japan have measured how strong these forces are. They pulled apart two layers of gallium selenide crystal until it broke.

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Read the full article at <u>rsc.li/2hpdDeY</u>, published 10 November 2017

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- 1. What exactly does 'high boiling point' mean?
- 2. Why do you think it is significant that water has a high boiling point?
- 3. A control variable is part of the experiment that is kept the same. What do you think the three most important control variables were for the scientists? Why?
- 4. What does $0.023 \times 10^6 \text{ N/m}^2 \text{ mean}$?