

Properties of Metals

- 1) What are delocalized electrons?
- 2) Why are metals bendy?
- 3) Why do metals conduct electricity?
- 4) Very tall buildings are usually made of concrete (which is an ionic compound) that is reinforced/made stronger with steel bars. Based on what you know of both ionic compounds and metals, why is this construction method a good idea?
- 5) We have talked about why metals are malleable and ductile. Considering the structure of metals, why aren't metals even more bendy (like a cooked noodle, where it can bend a very great deal)? Explain your answer.