

How are crystals formed?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

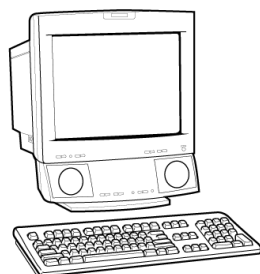
- _____ 1. The shapes of salt crystals are all different.
- _____ 2. Crystals can be grown by evaporating the solvent from a solution.
- _____ 3. Natural crystals can be made flawless.
- _____ 4. All crystals of the same substance have the same shape.
- _____ 5. The particles making up a crystal are arranged in a pattern.
- _____ 6. Synthetic crystals cannot be grown to be a particular size.
- _____ 7. Computer circuit boards use silicon crystals.
- _____ 8. A saturated solution of copper sulfate can be separated by evaporation.
- _____ 9. Synthetic diamonds can be used in medical instruments because they corrode.
- _____ 10. Once a supersaturated sodium acetate solution is heated, excess crystals can be “seeded,” causing them to settle on the bottom.

Skill Challenge

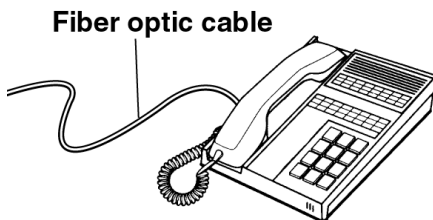
Skills: *identifying, relating*

Write the kind of synthetic crystal that could be used in each of the technological devices shown below.

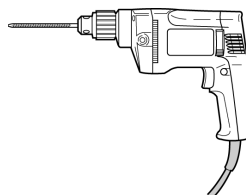
1.



2.



3.



4.



1. _____
2. _____
3. _____
4. _____