

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Piezoelectric Quiz

1. Provide a brief explanation of the piezoelectric effect and the converse piezoelectric effect.

2. Make a drawing to illustrate what causes the piezoelectric effect at the atomic level.  
(Hint: Think about the placement of charges in the atoms of the material.)

3. List three possible (conceptual or real) applications of piezoelectric materials.

*Bonus Question:* Explain your own, unique idea(s) for using piezoelectric materials.