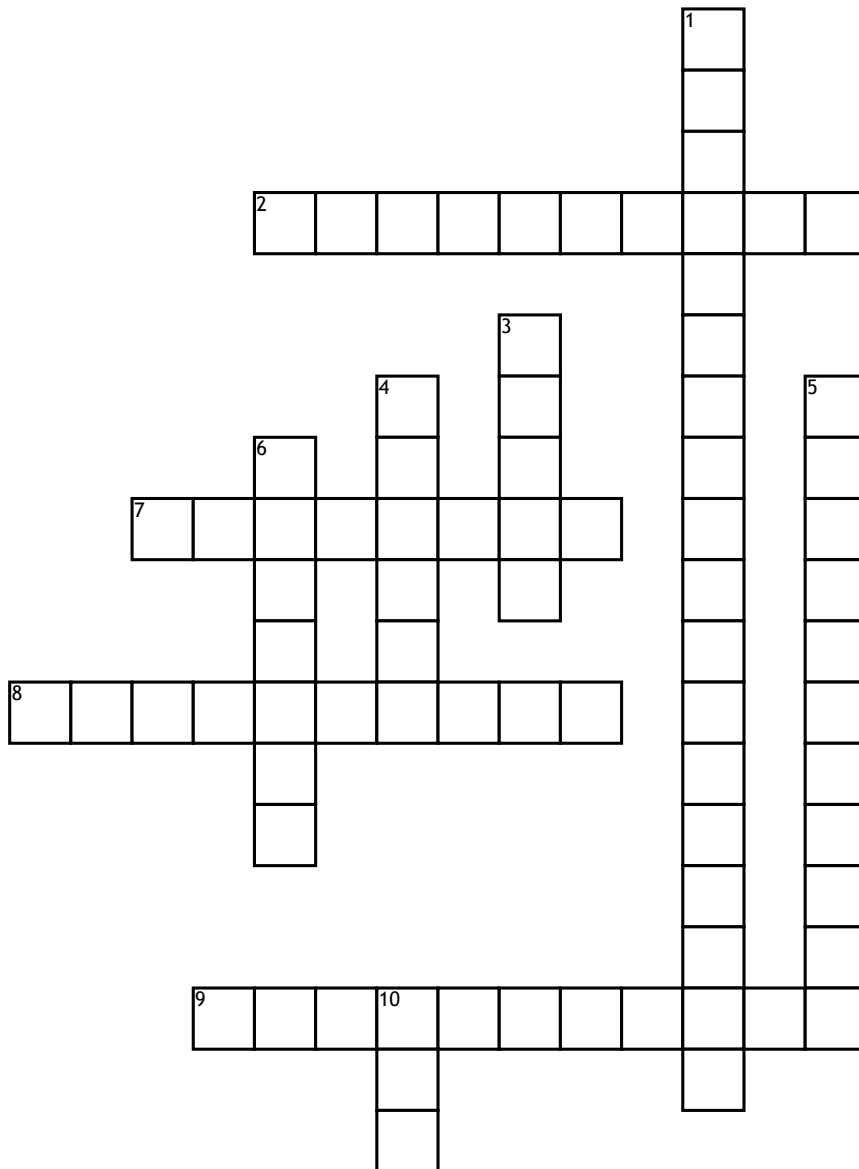


Teen Invents a Better Tent



Across

2. The air gap between the shelter and firefighter is used to resist _____ heat, the type of heat transferred when molecules bump into each other.
7. How old is Nicholas Perez?
8. The crystals in his invention are held in place with a cotton cloth and are meant to protect a firefighter from _____ heat, the transfer of heat by moving air.
9. Nicholas Perez looked for a material from which to make a better _____.

Down

1. The crystal chemical in diapers is called _____.

3. To keep firefighters from burning he needed to find a material that absorbed and retained _____.
4. Because Nicholas wants to sell his invention for use by firefighters he is getting a _____.
5. Nicholas Perez competed in a _____ that brought students together from across the U.S.
6. What is the unexpected product that Nicholas experimented with?
10. What food item did Nicholas test his invention with?