# B binary

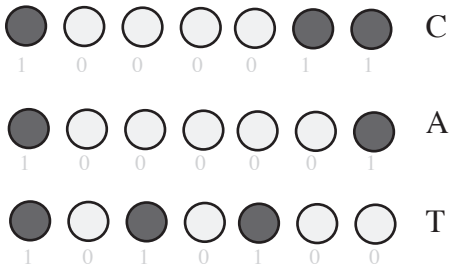
**A Binary Code** is any code that turns information into only two signals. Perfect for when you need to say something with a ninja signal mirror, bumps or holes on a page, or an electrical switch that can only be in two positions: ON or OFF

You can use binary code to write letters and words!
This is called the ASCII ("ask-ee") alphabet.

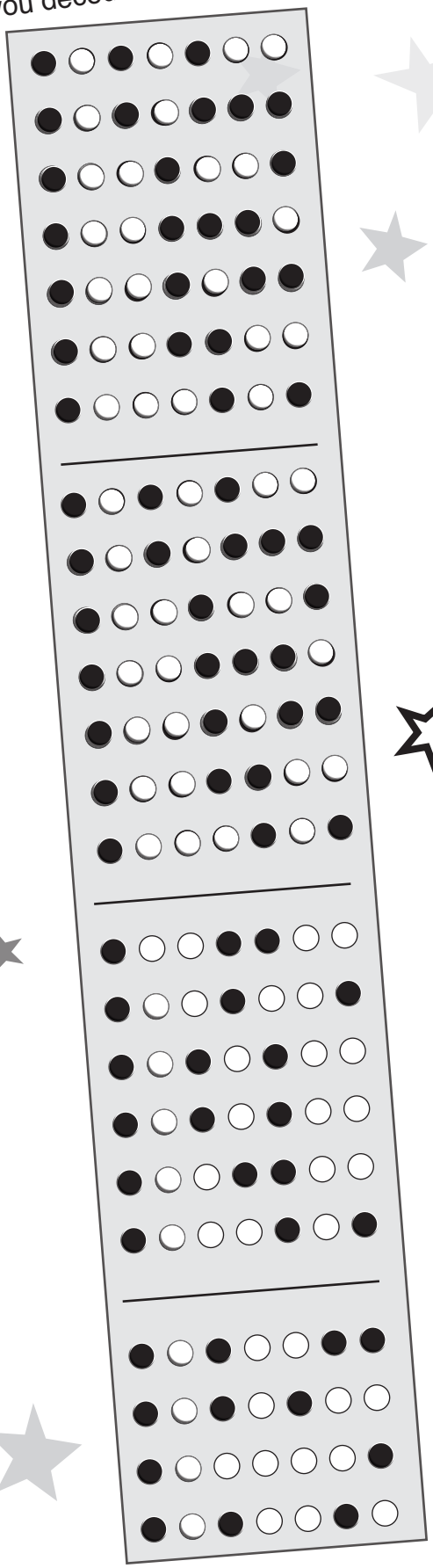
| | | | |
|---|---|---|---|
| **A** | 1 0 0 0 0 0 1 | **N** | 1 0 0 1 1 1 0 |
| **B** | 1 0 0 0 0 1 0 | **O** | 1 0 0 1 1 1 1 |
| **C** | 1 0 0 0 0 1 1 | **P** | 1 0 1 0 0 0 0 |
| **D** | 1 0 0 0 1 0 0 | **Q** | 1 0 1 0 0 0 1 |
| **E** | 1 0 0 0 1 0 1 | **R** | 1 0 1 0 0 1 0 |
| **F** | 1 0 0 0 1 1 0 | **S** | 1 0 1 0 0 1 1 |
| **G** | 1 0 0 0 1 1 1 | **T** | 1 0 1 0 1 0 0 |
| **H** | 1 0 0 1 0 0 0 | **U** | 1 0 1 0 1 0 1 |
| **I** | 1 0 0 1 0 0 1 | **V** | 1 0 1 0 1 1 0 |
| **J** | 1 0 0 1 0 1 0 | **W** | 1 0 1 0 1 1 1 |
| **K** | 1 0 0 1 0 1 1 | **X** | 1 0 1 1 0 0 0 |
| **L** | 1 0 0 1 1 0 0 | **Y** | 1 0 1 1 0 0 1 |
| **M** | 1 0 0 1 1 0 1 | **Z** | 1 0 1 1 0 1 0 |

ASCII can be written out in columns, where each row holds one letter. You color in a circle to mean 1, and leave a circle empty to represent 0.

So the word CAT would look like this:



Can you decode this happy song?



Now it's your turn! In each row, color in circles to form ASCII letters. Can you spell out your name this way?