## 3 classes of rock

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


| chemical sedimentary rock | clastic sedimentary rock | organic sedimentary rock |
| :--- | :--- | :--- |
| extrusive igneous rock | intrusive igneous rock | composition |
| metamorphic | sedementary | hardness |
| density | texture | igneous |
| solid | magma | rock |

