

COUNTDOWN CHALLENGE

Periodic Table

Fill in the atomic numbers of the elements. The atomic number is the number of protons in the nucleus of an atom.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----|-----|----|----|----|----|----|----|-----|-----|-----|-----|----|----|----|----|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|
| H 1 | | | | | | | | | | | | | | | | | He 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Li 3 | Be | | | | | | | | | | | B | C | N | O | F | Ne 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Na | Mg | | | | | | | | | | | Al | Si | P | S | Cl | Ar | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | Ca | Sc | Ti | V | Cr | Mn | Fe | Co | Ni | Cu | Zn | Ga | Ge | As | Se | Br | Kr | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rb | Sr | Y | Zr | Nb | Mo | Tc | Ru | Rh | Pd | Ag | Cd | In | Sn | Sb | Te | I | Xe | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cs | Ba | La | Hf | Ta | W | Re | Os | Ir | Pt | Au | Hg | Tl | Pb | Bi | Po | At | Rn | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fr | Ra | +Ac | Rf | Ha | Sg | Ns | Hs | Mt | 110 | 111 | 112 | 113 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Ce</td><td>Pr</td><td>Nd</td><td>Pm</td><td>Sm</td><td>Eu</td><td>Gd</td><td>Tb</td><td>Dy</td><td>Ho</td><td>Er</td><td>Tm</td><td>Yb</td><td>Lu</td> </tr> <tr> <td>Th</td><td>Pa</td><td>U</td><td>Np</td><td>Pu</td><td>Am</td><td>Cm</td><td>Bk</td><td>Cf</td><td>Es</td><td>Fm</td><td>Md</td><td>No</td><td>Lr</td> </tr> </table> | | | | | | | | | | | | | | | | | | Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | Th | Pa | U | Np | Pu | Am | Cm | Bk | Cf | Es | Fm | Md | No | Lr |
| Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Th | Pa | U | Np | Pu | Am | Cm | Bk | Cf | Es | Fm | Md | No | Lr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Find these 10 common elements from the human body and color them red.

| Element | Atomic # |
|------------|----------|
| Oxygen | 8 |
| Carbon | 6 |
| Hydrogen | 1 |
| Nitrogen | 7 |
| Calcium | 20 |
| Phosphorus | 15 |
| Potassium | 19 |
| Sulfur | 16 |
| Sodium | 11 |
| Magnesium | 12 |

Find these 10 common elements from the earth's crust and color them blue.

| Element | Atomic # |
|-----------|----------|
| Oxygen | 8 |
| Silicon | 14 |
| Aluminum | 13 |
| Iron | 26 |
| Calcium | 20 |
| Sodium | 11 |
| Potassium | 19 |
| Magnesium | 12 |
| Titanium | 22 |
| Hydrogen | 1 |

Find these 10 elements, known since ancient times, and circle them.

| Element | Atomic # |
|---------|----------|
| Gold | 79 |
| Silver | 47 |
| Copper | 29 |
| Iron | 26 |
| Lead | 82 |
| Tin | 50 |
| Mercury | 80 |
| Sulfur | 16 |
| Carbon | 6 |
| Arsenic | 33 |