

Worksheet 1.3: Solutions

Periodic table quiz

No.	Answer
1	Graphite. A deposit in Britain supplied the world with pencils until the Napoleonic wars. It is the only non-metal to conduct electricity. It has a very high melting temperature and is a slippery material.
2	Argon. 'Lazy' because it does not react to form any compounds.
3	Mercury. It is the only metal to be a liquid at room temperature. It has a high density, evaporates easily, contracts and expands evenly with a change in temperature and kills bacteria and fungi.
4	Silicon. Present in sand, glass, many rocks and computers.
5	Titanium. A very light metal used in aircraft. Also used as titanium dioxide in paints and rubber, to make them appear very opaque and white.
6	Neodymium
7	Plutonium
8	Iodine
9	Oxygen (ozone is an allotrope of oxygen)
10	Gallium
11	Refer to the periodic table in your textbook for relevant locations: C (atomic number 6), Ar (18), Hg (80), Si (14), Ti (22), Nd (60), Pu (94), I (53), O (8), Ga (31).