



education

Department:
Education

PROVINCE OF KWAZULU-NATAL

Grades 8 & 9
Just-in-Time Training Workshop
2019: No. 2

PRE- AND POST-WORKSHOP
ACTIVITY MEMO

Natural Sciences

Endorsed by

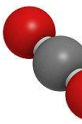


Jika iMfundo
what I do matters



NS Gr 8 &9 JiT WORKSHOP – 2019 (2)
PRE- AND POST- WORKSHOP ACTIVITY MEMORANDUM

TOTAL MARKS: 20

- 1 What is meant by the term ion? (1)
An atom which has a positive or negative charge
- 2 What is the charge on an electron? (1)
Negative
- 3 What are the symbols for each of the following elements? (2)
Boron; Neon; Mercury; Sodium;
B; Ne; Hg; Na
- 4 What elements are represented by each of the following symbols? (2)
He; Li; Cu; Mn;
Helium; Lithium; Copper; Manganese
- 5 Name the molecule pictured alongside. (1) 
Carbon dioxide
- 6 What is meant by the term abstraction? (1)
To make a concept less concrete
- 7 Name two household indicators (2)
Cabbage, Beetroot; Tea; Turmeric (any 2)
- 8 Balance the following equation: (2)
$$\text{Fe}_2\text{O}_3 + \text{C} \longrightarrow \text{Fe} + \text{CO}_2$$
- 9 What are the horizontal rows of the periodic table called? (1)
Periods
- 10 What do Fluorine, Chlorine, Bromine and iodine have in common? (1)
They are all extremely reactive
- 11 Write the general word equation between an acid and a metal oxide. (2)
Acid + metal oxide ~~→ Salt~~ + water
- 12 Name an analogy that teachers can use when teaching about the periodic table. In other words, 'The periodic table is like a'. (1)
Calendar
- 13 What skills can be developed when teaching about chemical change? (1)
Observation; interpretation; communication
- 14 Name one common mistake learners make when balancing equations (2)
They change the number of atoms in a compound