1. Stage 1:

Q1: What is the anion in table salt

A1: Chlorine

Gives: L(2) - C(13)

Q2: What atom has atomic weight 50.94

A2: Vanadium

Gives: V(1)

Q3: Name of PO43-

A3: Phosphate

Gives: A(4) - P(6)

Q4: Name of Br3O4

A4: Tribromine tetroxide

Gives: I(12) - G(5)

Q5: What is the Period 2 Halogen

A5: Fluorine

Gives: F(15)

Q6: Which element with a 3+ has 36 electrons

A6: Yttrium

Gives: Y(7)

Q7: What transition metal has a constant charge of 1+

A7: Silver

Gives: S(8) - E(11)

Q8: What is the chemical name for water

A8: Dihydrogen monoxide

Gives: O(3) - D(9)

Q9: What is the name of the element with 50 protons

A9: Tin

Gives: N(10)

Q10: What is the name of the chemical compound C3H8

A10: Propane

Gives: R(14)

1. Stage 2: 4.6 ml
2. Stage 3: 0.094 g
3. Stage 4: 438.16 g
4. Stage 5:

Q1: How many valence electrons does Cu+ have?

1. 1
2. 2
3. 10
4. 8

Q2: Is Selenium diamagnetic or paramagnetic? How many unpaired electrons?

1. Diamagnetic - 0 electrons
2. Paramagnetic - 3 electrons
3. Paramagnetic - 2 electrons
4. Diamagnetic - 2 electrons

1. Q3: What is the correct electron configuration for 1s22s22p63s23p64s13d5?
2. V
3. Ni
4. Cr
5. Cu

Q4: Is magnesium paramagnetic or diamagnetic?

1. Paramagnetic
2. Diamagnetic

Q5: Which element has the most unpaired electrons?

1. Cu
2. Ni
3. Kr
4. As

1. Q6: What is the correct noble gas configuration for [Ar]4s23d8?
2. Ni
3. Pd
4. Cu
5. Co

Final password answer:

ESCAPE

1. Stage 6:
   1. Tetrahedral
   2. 120
   3. 6

Code: ZOOM