Rank That Periodic Property

Activity 1: Rank That Atomic Radius

Question Group 1

Question 1

Rank these three elements according to their atomic radius:

Lithium (Li), Potassium (K), Cesium (Cs)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 2

Rank these three elements according to their atomic radius:

Beryllium (Be), Calcium (Ca), Barium (Ba)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 3

Rank these three elements according to their atomic radius:

Carbon (C), Germanium (Ge), Lead (Pb)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question Group 2

Question 4

Rank these three elements according to their atomic radius:

Nitrogen (N), Arsenic (As), Bismuth (Bi)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 5
Rank these three elements according to their atomic radius:

Oxygen (O), Selenium (Se), Polonium (Po)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 6
Rank these three elements according to their atomic radius:

Fluorine (F), Bromine (Br), Astatine (At)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question Group 3
Question 7
Rank these three elements according to their atomic radius:

Lithium (Li), Carbon (C), Fluorine (F)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 8
Rank these three elements according to their atomic radius:

Beryllium (Be), Carbon (C), Oxygen (O)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 9
Rank these three elements according to their atomic radius:

Sodium (Na), Silicon (Si), Sulfur (S)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question Group 4
Question 10
Rank these three elements according to their atomic radius:

Magnesium (Mg), Silicon (Si), Chlorine (Cl)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 11
Rank these three elements according to their atomic radius:

Potassium (K), Germanium (Ge), Bromine (Br)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 12
Rank these three elements according to their atomic radius:

Calcium (Ca), Germanium (Ge), Selenium (Se)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question Group 5
Question 13
Rank these three elements according to their atomic radius:

Fluorine (F), Silicon (Si), Chlorine (Cl)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 14
Rank these three elements according to their atomic radius:

Fluorine (F), Aluminum (Al), Chlorine (Cl)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 15
Rank these three elements according to their atomic radius:

Oxygen (O), Aluminum (Al), Sulfur (S)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question Group 6
Question 16
Rank these three elements according to their atomic radius:

Nitrogen (N), Calcium (Ca), Arsenic (As)

Largest atomic radius:
Middlest atomic radius:
Smallest atomic radius:

Question 17
Rank these three elements according to their atomic radius:

Fluorine (F), Calcium (Ca), Bromine (Br)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 18
Rank these three elements according to their atomic radius:

Chlorine (Cl), Strontium (Sr), Iodine (I)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Activity 2: Rank That IE
Question Group 7
Question 19
Rank these three elements according to their ionization energy:

Lithium (Li), Potassium (K), Ceasium (Cs)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 20
Rank these three elements according to their ionization energy:

Beryllium (Be), Calcium (Ca), Barium (Ba)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 21
Rank these three elements according to their ionization energy:

Carbon (C), Germanium (Ge), Lead (Pb)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question Group 8

Question 22
Rank these three elements according to their ionization energy:

Nitrogen (N), Arsenic (As), Bismuth (Bi)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 23
Rank these three elements according to their ionization energy:

Oxygen (O), Selenium (Se), Polonium (Po)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 24
Rank these three elements according to their ionization energy:

Fluorine (F), Bromine (Br), Astatine (At)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question Group 9
Question 25
Rank these three elements according to their ionization energy:

Lithium (Li), Carbon (C), Fluorine (F)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 26
Rank these three elements according to their ionization energy:

Beryllium (Be), Carbon (C), Oxygen (O)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 27
Rank these three elements according to their ionization energy:

Sodium (Na), Silicon (Si), Sulfur (S)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question Group 10
Question 28
Rank these three elements according to their ionization energy:

Magnesium (Mg), Silicon (Si), Chlorine (Cl)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 29
Rank these three elements according to their ionization energy:

Potassium (K), Germanium (Ge), Bromine (Br)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 30
Rank these three elements according to their ionization energy:

Calcium (Ca), Germanium (Ge), Selenium (Se)

Greatest ionization energy:
Middlest ionization energy:

Smallest ionization energy:

Question Group 11
Question 31
Rank these three elements according to their ionization energy:

Fluorine (F), Silicon (Si), Chlorine (Cl)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 32
Rank these three elements according to their ionization energy:

Fluorine (F), Aluminum (Al), Chlorine (Cl)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 33
Rank these three elements according to their ionization energy:

Oxygen (O), Aluminum (Al), Sulfur (S)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question Group 12
Question 34
Rank these three elements according to their ionization energy:

Nitrogen (N), Calcium (Ca), Arsenic (As)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 35
Rank these three elements according to their ionization energy:

Fluorine (F), Calcium (Ca), Bromine (Br)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Question 36
Rank these three elements according to their ionization energy:

Chlorine (Cl), Strontium (Sr), Iodine (I)

Greatest ionization energy:
Middlest ionization energy:
Smallest ionization energy:

Activity 2: Rank That Electronegativity
Question Group 13
Question 37
Rank these three elements according to their electronegativity:

Lithium (Li), Potassium (K), Ceasium (Cs)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 38
Rank these three elements according to their electronegativity:

Beryllium (Be), Calcium (Ca), Barium (Ba)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 39
Rank these three elements according to their electronegativity:

Carbon (C), Germanium (Ge), Lead (Pb)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question Group 14
Question 40
Rank these three elements according to their electronegativity:

Nitrogen (N), Arsenic (As), Bismuth (Bi)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 41
Rank these three elements according to their electronegativity:

Oxygen (O), Selenium (Se), Polonium (Po)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 42
Rank these three elements according to their electronegativity:

Fluorine (F), Bromine (Br), Astatine (At)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question Group 15
Question 43
Rank these three elements according to their electronegativity:

Lithium (Li), Carbon (C), Fluorine (F)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 44
Rank these three elements according to their ionization energy:

Beryllium (Be), Carbon (C), Oxygen (O)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 45
Rank these three elements according to their electronegativity:

Sodium (Na), Silicon (Si), Sulfur (S)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question Group 16
Question 46
Rank these three elements according to their electronegativity:

Magnesium (Mg), Silicon (Si), Chlorine (Cl)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 47
Rank these three elements according to their electronegativity:

Potassium (K), Germanium (Ge), Bromine (Br)

Highest electronegativity:
Middlest electronegativity:

Lowest electronegativity:

Question 48
Rank these three elements according to their electronegativity:

Calcium (Ca), Germanium (Ge), Selenium (Se)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question Group 17
Question 49
Rank these three elements according to their electronegativity:

Fluorine (F), Silicon (Si), Chlorine (Cl)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 50
Rank these three elements according to their electronegativity:

Fluorine (F), Aluminum (Al), Chlorine (Cl)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 51
Rank these three elements according to their electronegativity:

Oxygen (O), Aluminum (Al), Sulfur (S)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question Group 18
Question 52
Rank these three elements according to their electronegativity:

Nitrogen (N), Calcium (Ca), Arsenic (As)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 53
Rank these three elements according to their electronegativity:

Fluorine (F), Calcium (Ca), Bromine (Br)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity:

Question 54
Rank these three elements according to their electronegativity:

Chlorine (Cl), Strontium (Sr), Iodine (I)

Highest electronegativity:
Middlest electronegativity:
Lowest electronegativity: