Write the symbol of the element that best completes the statement or answers the question.

Ma is the 3rd period alkaline earth metal

is the 5th period noble gas

26_ is the most reactive metal in the 5th period

F_ is the most reactive nonmetal in the 2nd period

A c has the smallest radius of the 3rd period

12 is the largest atom with 3 valence electrons

is the most reactive element with 7 valence electrons

Be is the least reactive alkaline earth metal

is the most reactive element in group 6a

Mac has 12 electrons and 12 protons

ba has an electron configuration that ends in 6s²

Mas an electron configuration that ends in 4d4

Ma is the 3rd period element with lowest ionization energy

form an ion with a +3 charge

the most reactive nonmetal on the periodic table

has 1 valence electrons in the 1st energy level

is the alkaline earth metal with 3 energy levels

has 5 valence electrons in the 4th energy level

F is the 2nd period atom most likely to lose an electron

Ma is the 2nd period atom least likely to react

is the 3rd period element with the highest electronegativity

is the halogen with the highest electronegativity

Fr is the element with the largest atomic radius

is the alkaline earth metal with the highest ionization energy

Define and explain the trend for:

• Atomic Radius: Stage War

rung decodes to siche nuller attraction

due to E- inc. Jo p to of encor levels

Ionization Energy

crusy needed to remove an et

Larger when & deed - - 9 me, small or raches harder to

• Electronegativity

willingues to "take" on e- Cor shood

what to decly to me - what to take the complete oche

Reactivity of metals and nonmetals

L model

Fg normatal