

Worksheet #C18: The Noble Gas Shortcut

1. If you want to use it, draw the arrows diagram in the space below.

2. Review: write out the first few noble gases without the shortcut.

a. He _____

b. Ne _____

c. Ar _____

3. What do the electron configurations of all the noble gases except He have in common?

4. Now use the noble gas shortcut to write out the following. Don't forget to put the noble gases themselves in square brackets (ex: [Ar]). Use either the colored chart or the arrows.

a. aluminum _____

k. rubidium _____

b. niobium _____

l. hafnium _____

c. bohrium _____

m bromine _____

d. calcium _____

n. arsenic _____

e. tellurium _____

o. neodymium _____

f. radium _____

p. thallium _____

g. mercury _____

q. silver _____

h. iodine _____

r. astatine _____

i potassium _____

s. cesium _____

j. chlorine _____

t. francium _____

