

**LESSON 3. PERIODIC LAW****HOMEWORK**

You have been given some information about an unknown element.

Decide which group the element should be placed in based on its properties.

Decide which position in the group the elements should be placed in so that it fits the trend in atomic radius and relative atomic mass.

Be prepared to **justify** your decisions.

solid at room temperature  
very reactive  
non-metal  
melting point:  $-114^{\circ}\text{C}$   
relative atomic mass: 127  
atomic radius: 198pm

Between what elements from the GoogleSlides should it be placed?

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