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# Keychains and Keyrings Hardware Student Worksheet

Custom and unique keychains and keyrings are currently an extension of our lives by showcasing decorative trinkets, identifying important keys and containing useful objects. Keychain and keyrings often contain useful **accessories** that include tools, emergency devices, and gadgets for locating lost keys. Some people have key fobs on their keychains and keyrings. A key fob is an electronic small, programmable hardware device attachment that replaces a key or to initiate the opening of another device such as a car or garage door. There are many different types of rings and shackles that are often patented for use to hold keys.

**For this activity and worksheet, answer the following questions:**

1. What is the suggested maximum number of keys on a keychain or keyring? Why?
2. Name four categories of materials are used to fabricate parts for a keychain or keyring?
3. Name 10 useful tools or objects that are attached to a keychain or keyring? Many possible answers
4. Name and draw 5 types of holders for the keys that are commonly assembled to a keychain or keyring. What is one advantage to the style of the key holder?
5. What is the purpose of using a jump ring in the design of a keychain/keyring? Identify some shapes associated with jump rings.

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6. What tool is needed to assemble an open jump ring to the keychain?
  
7. Why is an eye screw (sometimes called eyehook) used for in the assembly of a keychain?
  
8. Define and explain the importance of the shank diameter of the eye screw.
  
9. What are some different styles of eye screws? Eye \_\_\_\_\_, eye \_\_\_\_\_ or eye \_\_\_\_\_
  
10. Name and sketch 4 styles of chains often on assembled keychains/keyrings. (Note: Some have jump rings attached.)