

STUDY GUIDE

Chapter 5

The Simple Machines

Short crypts are lists of related words written in a simple code in which a different set of letters has been substituted for the correct letters. The title of each list will give you a hint as to the subject of the list. Remember, the same code is used for the entire list. For example, if c stands for k in one word, c will stand for k in every word on the list. Each list has its own code.

Code

A C D E F G I J K L N O R T U W X
 e r h i c l o s m v d u t g a f n

Prying into Things

1. GALAC_____
2. WOGFCOK_____
3. AWWICR UCK_____
4. CAJEJRUXFA UCK_____
- 5 KAFDUXEFUG UNLUXRUTA_____
6. NECAFREIX_____
7. FGUJJ_____

Code

A B C D E F I J L N O Q R S T U V W X Z
 i e l o s h u x a b k t w y d g c n p r

Keeping it Simple

8. XICCBS_____
9. RFBBC LWT LJCB_____
10. AWVCAWBT XCLWB_____
11. EVZBR_____
12. NCDVO LWT QLVOCB_____
13. UBLZ_____

In the space at the left, write the term that best completes each statement. Use the terms listed below.

block and tackle screw inclined planes pulley wheel and axle

- _____ 14. An inclined plane wrapped around a cylindrical post is a ____ .
- _____ 15. A doorknob is an example of a _____ .
- _____ 16. A grooved wheel with a rope or chain running along the groove is a _____ .
- _____ 17. Screws and wedges are types of _____ .
- _____ 18. A system of pulleys is called a _____ .