

Name: _____

Date: _____

Structures and Mechanisms

R A C K A N D P I N I O N T J V R X R E Y C J C
V F Q A L I H D K L F O R C E Z J K B K Q Y Z U
Z L J G F A G L K Z D I R E C T I O N A A I Z P
L C B N U M S C X I S R P C S T K O M H F J E V
O P G D V G U H L I F T S T I Z W U E X J F C F
A D E O S C I L L A T I N G M U B T C M E V X J
D R F F U I Z T F U Z R D B P X P P H E T E T C
G W F V X E W F X B P H I K L C H U A U O T W L
F H O S T R U C T U R E S W E T L T N R E N Q O
F E R W S V C G E G J H T O M X T D I W T U B C
C E T D F H U O P S B U A R A S G P C E I E D K
W L S X Z I V M G O E Q N M C O U K A M Q N C P
M M A N X N O O F N Y A C G H Z Y Y L P P E D E
E J C P R P D T J F G E E E I R O T A R Y R E N
C D Q U A U S I K J X K K A N F F N D A Z G J D
H Z S F X T Z O T O H N G R E F C B V O W Y L U
A R D O E S V N K Q S I D N S O P U A F Z A L L
N S V J L M S D T H H W O R K F Q L N B N K I U
I I X L H G P Q F W R L E A F J L I T H U B N M
S B F F C V E P L Z A S E Q T X V V A D G V E R
M A P U L L E Y S U U R M Z C H A N G E S B A M
D T H D G X D H Y N I D C C M S C U E M J L R N
W D Z X I M T N W Q W G Y N A T L J C A O U O O
A G L E X E R T I O N L S J T W U Y F O E C I E

mechanical advantage
oscillating
mechanism
effort
rotary
speed
load

rack and pinion
structures
distance
motion
output
force
lift

simple machines
direction
exertion
change
linear
wheel
work

clock pendulum
worm gear
pulleys
energy
input
axel