

Name	
1401110	۰

Compound Light Microscope

Label each part and complete its description.

A	4
Contains theiens	K
± "	Used to the
	Used to the the microscope when carried
В	
Holds the and power objective	
; can be rotated to change	
4	J
	Mayon the stage up and down
\	Moves the stage up and down
C	for
C. Magnification ranges from	
X to X	
	l
D	
the slide in place	Moves the stage slightly to
	the image
E	
Supports the	Н
being viewed	Regulates the amount of
	on the specimen
F	
Projects light through	G
the diaphragm, the,	Supports the
and the	Cupporto tilo

2. Calculate the missing information in the chart using your knowledge of the powers of magnification. (+3)

Ocular Lens	Objective Lens	Power of Magnification
10	4	
	10	100
10		400

## PARTS OF THE LIGHT MICROSCOPE

A. EYEPIECE Contains the OCULAR lens K. ARM Used to SUPPORT the microscope when carried B. NOSEPIECE Holds the HIGH- and LOW- power objective LENSES; can be rotated to change MAGNIFICATION. J. COARSE ADJUSTMENT **KN0B** C. OBJECTIVE LENSES Moves the stage up and Magnification ranges from down for FOCUSING 10 X to 40 X I. FINE ADJUSTMENT D. STAGE CLIPS **KN0B HOLD** the slide in place Moves the stage slightly to SHARPEN the image E. STAGE H. DIAPHRAGM Regulates the amount of Supports the **SLIDE** being viewed LIGHT on the specimen F. LIGHT SOURCE G. BASE Projects light UPWARDS through the diaphragm, Supports the MICROSCOPE the SPECIMEN, and the LENSES

2. Calculate the missing information in the chart using your knowledge of the powers of magnification.  $(\div 3)$ 

Ocular Lens	Objective Lens	Power of Magnification
10	4	
18	10	100
10		400