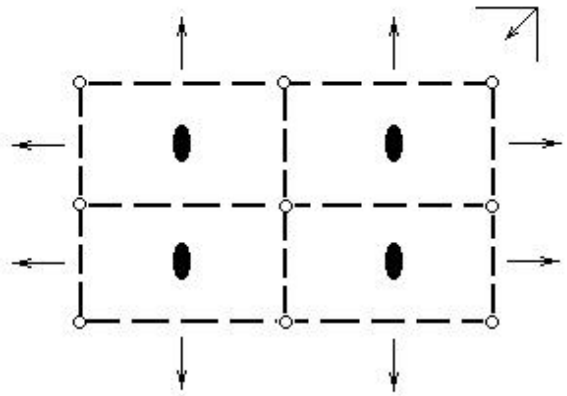
The following space group symmetry diagrams are for primitive (*P*) orthorhombic space groups. For each write down the symmetry axis (either **2** or $\mathbf{2_1}$) that is parallel to each major axis, and give the symmetry plane (***a, b, c, n***, or ***m***) that is normal (perpendicular)to each. Give the simplified Hermann-Mauguin symbol for the space group. In each figure, ***a*** is vertical, ***b*** horizontal, and ***c*** normal to page.

1

	axis	plane
a	_____	_____
b	_____	_____
c	_____	_____

H-Msymbol _____

Point Group _____

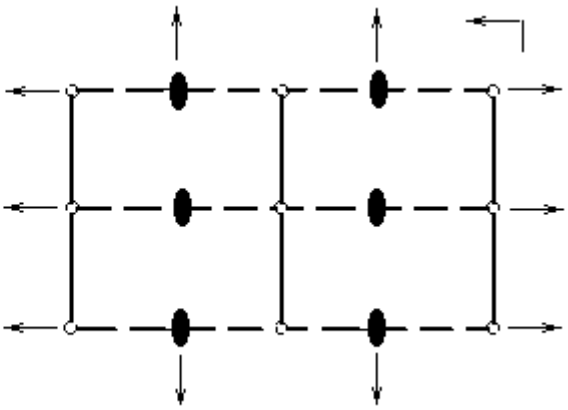


2.

	axis	plane
a	_____	_____
b	_____	_____
c	_____	_____

H-Msymbol _____

Point Group _____

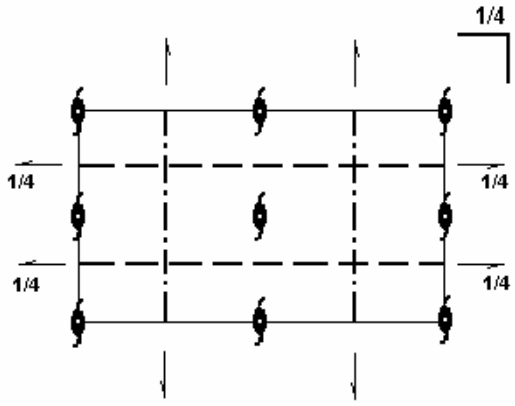


3.

	axis	plane
a	_____	_____
b	_____	_____
c	_____	_____

H-Msymbol _____

Point Group _____

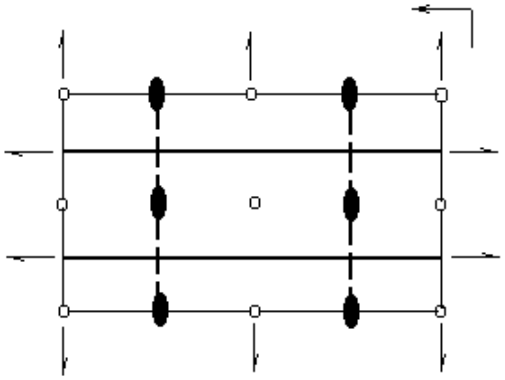


4.

	axis	plane
a	_____	_____
b	_____	_____
c	_____	_____

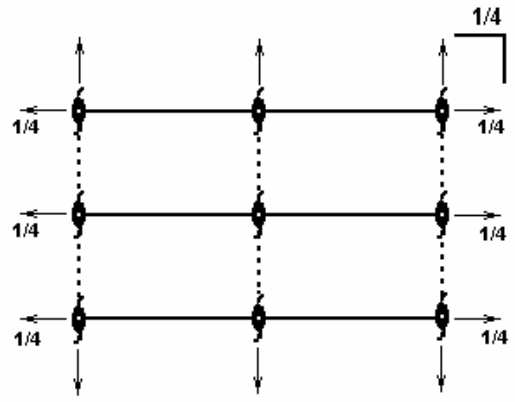
H-Msymbol _____

Point Group _____



5.

	axis	plane
a	_____	_____
b	_____	_____
c	_____	_____

H-Msymbol _____

Point Group _____