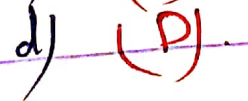
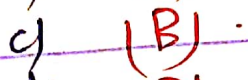
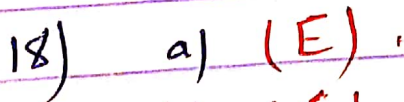
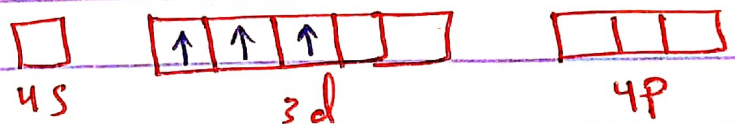
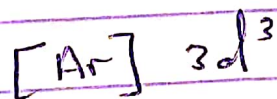
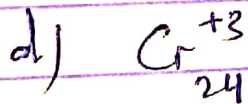
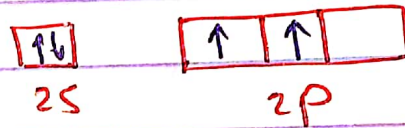
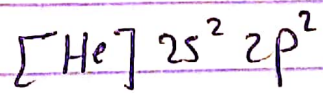
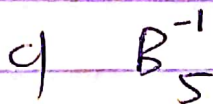
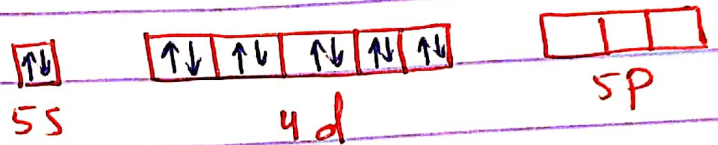
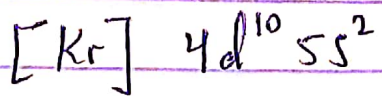
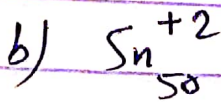
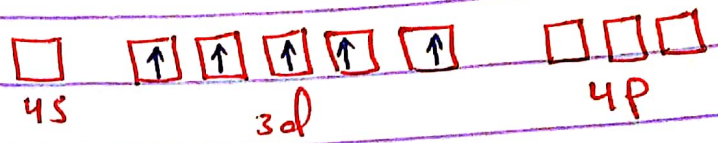
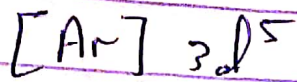
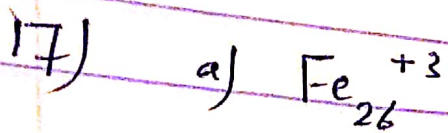


# CHEM 141 - CH 7+8 - ASSIGNMENT

Rayyan Masmi . (1191184) .

- |                                                                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>1) C.</p> <p>2) D.</p> <p>3) E.</p> <p>4) B.</p> <p>5) E.</p> <p>6) C.</p> <p>7) B.</p> <p>8) B.</p> <p>9) D.</p> <p>10) C.</p> | <p>11) D.</p> <p>12) E.</p> <p>13) C.</p> <p>14) C.</p> <p>15) B.</p> <p>16) D.</p> |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|





19)  $n=3$

L	0	0, 1	2
$m_L$	0	-1, 0, 1	-2, -1, 0, 1, 2
$m_s$	$+\frac{1}{2}$ or $-\frac{1}{2}$	$+\frac{1}{2}$ or $-\frac{1}{2}$	$+\frac{1}{2}$ or $-\frac{1}{2}$

# max electron =  $2n^2 = 2(3)^2 = 18 e^-$

20)

	n	L	$m_L$	$m_s$
N	2	1	<del>1</del>	$+\frac{1}{2}$
S	3	1	-1	$-\frac{1}{2}$
Cu	4	0	0	$+\frac{1}{2}$

