Electron Configuration Practice Worksheet

In the space below, write the unabbreviated electron configurations of the following elements:

IOIIOV	ing elements.				
1)	sodium				
2)	iron				
3)	bromine				
4)	barium				
5)	neptunium				
In the	space below, write the abbreviated electron configurations of the following ents:				
6)	cobalt				
7)	silver				
8)	tellurium				
9)	radium				
10)	lawrencium				
Dete	rmine what elements are denoted by the following electron configurations				
11)	1s ² 2s ² 2p ⁶ 3s ² 3p ⁴				
12)	$1s^22s^22p^63s^23p^64s^23d^{10}4p^65s^1$				
13)	[Kr] 5s ² 4d ¹⁰ 5p ³				
14)	[Xe] 6s ² 4f ¹⁴ 5d ⁶				
15)	[Rn] 7s ² 5f ¹¹				
Dete	rmine which of the following electron configurations are not valid:				
16)	1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 4s ² 4d ¹⁰ 4p ⁵				
17)	1s ² 2s ² 2p ⁶ 3s ³ 3d ⁵				
18)	[Ra] 7s ² 5f ⁸				

20) [Xe] _____

19) [Kr] 5s²4d¹⁰5p⁵_____