Past NCEA exam questions on electron configuration

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|  | **2022** | **2021** | **2020** | **2019** | **2018** | **2017** | **2016** | **2015** | **2014** | **2013** | **2012** | **2011** | **2010** |
| Ni2+ | **•** |  |  |  |  |  |  |  |  |  |  |  |  |
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| Cr3+ |  |  |  |  |  |  | **•** |  |  |  |  |  |  |
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| V3+ |  |  |  |  |  |  |  |  |  | **•** |  |  |  |
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| **Cu+** |  |  |  |  | **•** |  |  |  |  |  | **•** |  |  |
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| **Al3+** |  |  |  |  |  |  |  |  |  |  |  | **•** |  |
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| **Fe2+** |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **P3-** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Zn2+** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Mn** |  |  | **•** |  |  |  |  |  |  |  |  |  |  |

**2017**

Additional question

Write the s,p,d configuration for an element with atomic number 20 and charge of +2

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