**ANSWERS: Additional questions on types of substances**

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| **Name** of substance | **Type** of substances | Type of **particle** present | The **bonding** (attractive forces between particles) |
| **gold** | metallic, 3D | cations in a sea of delocalised electrons | metallic bond |
| **chromium** | metallic, 3D | cations in a sea of delocalised electrons | metallic bond |
| **PCl3** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **MgI2** | ionic, 3D | oppositely charged ions | ionic bond |
| **P4O10** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **AgNO3** | ionic, 3D | oppositely charged ions | ionic bond |
| **Br2** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **hydrochloric acid** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **Cl2O** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **KCl** | ionic, 3D | oppositely charged ions | ionic bond |
| **candle wax** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **nitrogen gas** | molecular | molecules | strong covalent bond between atoms, weak intermolecular force between molecules |
| **octane** | molecular | molecules  | strong covalent bond between atoms, weak intermolecular force between molecules |

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