**ANSWERS: Bond dipoles and polarity of molecules**

|  |  |
| --- | --- |
|  | **Bond dipoles present within the molecule?** |
| **HCl** | **yes** |
| **N2** | **no** |
| **Cl2** | **no** |
| **F2** | **no** |

**2023**

A close-up of a number

Description automatically generated

|  |  |  |
| --- | --- | --- |
| **Year** | **Molecule** | **Polar molecule?** |
| **2023** | water | **yes** |
| **2022** |  | **no** |
| **2022** |  | **yes** |
| **2021** |  | **yes** |
| **2021** |  | **no** |
| **2019** |  | **yes** |
| **2017**  **2010** |  | **yes** |
| **2017**  **2010** |  | **no** |
| **2019**  **2016**  **2013**  **2010**  **2008** | **ammonia** | **yes** |
| **2016** | **borane** | **no** |
| **2015** |  | **no** |
| **2015** |  | **no** |
| **2014** |  | **yes** |
| **2023**  **2014**  **2011** |  | **no** |
| **2012** |  | **no** |
| **2012** |  | **yes** |
| **2011** |  | **yes** |
| **2009** |  | **no** |
| **2009** |  | **yes** |

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