**ANSWERS: Additional questions on bond dipoles and polar of molecules**

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| --- | --- |
|  | **bond dipoles present within the molecule?** |
| **HF**  | **yes** |
| **H2** | **no** |
| **HBr** | **yes** |
| **O2** | **no** |
| **C = O** | **yes** |

|  |  |  |
| --- | --- | --- |
| **CS2**non-polar | **N2**non-polar | **CH3OH**polar |
| **HCN**polar | **PCl3**polar | **O2**non-polar |
| **CH3COCH3**http://s3.amazonaws.com/readers/2010/12/14/acetonestructural_1.pngpolar | **CH4**non-polar | **C2H4**non-polar |
| **PH3**polar | **SF2**polar | O3polar |

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