Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Earth Energy Balance**



**Your Task**: Match the letters above with the correct description below

|  |  |
| --- | --- |
| **Letter** | **Description** |
| I | Outgoing longwave radiation |
| B | Reflected by clouds, aerosols, and atmospheric gases |
| G | Emitted by clouds |
| D | Incoming solar radiation |
| O | Evapo-transpiration |
| J | Atmospheric window |
| A | Reflected solar radiation |
| L | Long wave infrared radiation emitted downward by greenhouse gases and clouds |
| N | Conduction |
| C | Reflected by the surface |
| Q | Absorbed by the surface |
| F | Emitted by the atmosphere |
| H | Clouds/Greenhouse gases |
| K | Absorbed by greenhouse gases and clouds |
| E | Absorbed by the atmosphere |
| M | Absorbed by the surface |
| P | Surface emission of long wave infrared radiation |

Note: The first column is to be left blank when administering to students