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| **Match-Up** | **Mechanics Definitions** |

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| **1** | Light Object |  | **A** | A rigid object such as a beam which is one-dimensional; assumed mass is distributed evenly |
| **2** | Particle |  | **B** | The force experienced by an object as it moves through air; assumed to be negligible |
| **3** | Smooth Surface |  | **C** | A thin length of material that does not stretch under load |
| **4** | Wire |  | **D** | A particle with a hole in which moves freely along a wire or string |
| **5** | Rod |  | **E** | An object with an area but no thickness, its mass is assumed to be distributed across the surface |
| **6** | Inextensible String |  | **F** | A surface where there is no friction between it and any object in contact with it |
| **7** | Rough Surface |  | **G** | The uniform force of attraction between all objects which acts vertically downwards |
| **8** | Lamina |  | **H** | An object with negligible dimensions; its mass is assumed to be concentrated at a single point |
| **9** | Smooth and Light Pulley |  | **I** | A support from which a body is suspended; assumed to be dimensionless and fixed |
| **10** | Uniform Body |  | **J** | A rigid thin length of metal which is treated as one-dimensional |
| **11** | Air Resistance |  | **K** | An object with a comparatively small mass; assumed to have a zero mass |
| **12** | Bead |  | **L** | A massless wheel which carries a rope, where the tension in the rope is the same on either side |
| **13** | Gravity |  | **M** | An object where mass is distributed evenly, assumed to be concentrated at the centre of mass |
| **14** | Peg |  | **N** | A surface where there is a frictional force between it and any object in contact with it |

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