Match-Up

Mechanics Definitions

1	Light Object
2	Particle
3	Smooth Surface
4	Wire
5	Rod
6	Inextensible String
7	Rough Surface
8	Lamina
9	Smooth and Light Pulley
10	Uniform Body
11	Air Resistance
12	Bead
13	Gravity
14	Peg

A	A rigid object such as a beam which is one-dimensional; assumed mass is distributed evenly
B	The force experienced by an object as it moves through air; assumed to be negligible
C	A thin length of material that does not stretch under load
D	A particle with a hole in which moves freely along a wire or string
E	An object with an area but no thickness, its mass is assumed to be distributed across the surface
F	A surface where there is no friction between it and any object in contact with it
G	The uniform force of attraction between all objects which acts vertically downwards
H	An object with negligible dimensions; its mass is assumed to be concentrated at a single point
I	A support from which a body is suspended; assumed to be dimensionless and fixed
J	A rigid thin length of metal which is treated as one-dimensional
K	An object with a comparatively small mass; assumed to have a zero mass
L	A massless wheel which carries a rope, where the tension in the rope is the same on either side
M	An object where mass is distributed evenly, assumed to be concentrated at the centre of mass
N	A surface where there is a frictional force between it and any object in contact with it

1	2	3	4	5	6	7	8	9	10	11	12	13	14