1. A scalar quantity is represent by a numerical value and often (though not always) a unit.

   A vector has a numerical value, a unit (though to always), and a direction.

   So, the major difference between vectors and scalars is that vectors have a direction & scalars don't.

2. Quantities directed in space are called vectors, because vectors have a direction in which they act. Scalars do not have a direction.

3. 

| Scalars | Vectors |
|---|---|
| Mass | Force |
| Energy | Velocity |
| Time | Displacement. |

4. A vector is characterised by a magnitude & a direction.