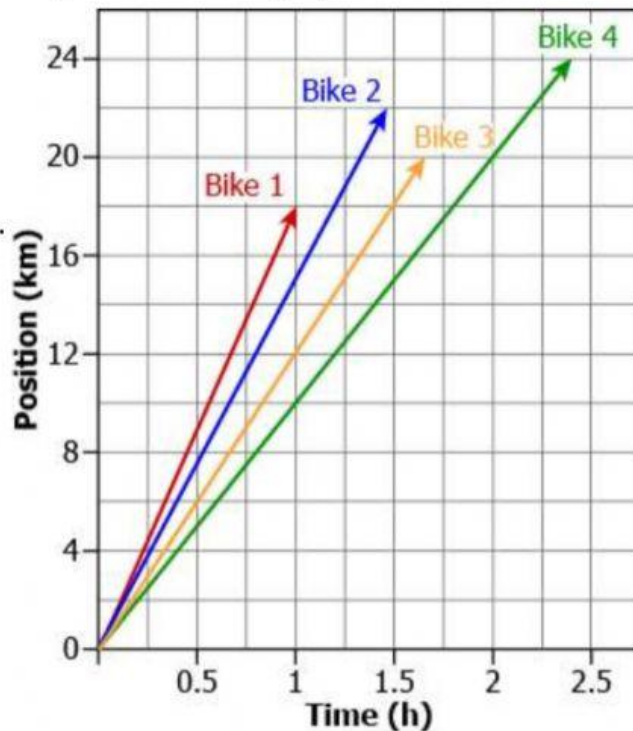


54. A generator is used to convert _____ energy into _____ energy.

Choose: thermal, electrical, mechanical

55. The position - time graph shows the motion of four bikes.



Drag and drop by arranging the bikes in order from the fastest to the slowest bike

1
2
3
4

Fastest bike



Slowest bike

56. An object with mass of 40 kg is moved to another planet with a greater gravitational pull. The mass on the object will (**increase, decrease, remain the same**) the weight will (**increase, decrease, remain the same**).

57. An object is placed on a surface. A student tries to apply various combinations of forces on the object. Which pair of forces will not move the object?

