



Cycle and Cycling

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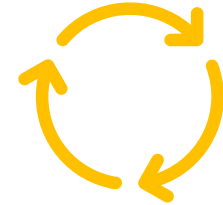
What is a cycle?



A cycle often called as bicycle or bike, is a simple machine which is the cheapest mode of transportation and driven by human power.



It was first introduced in 1817 by a German baron Karl von Drais.



The cycle and its mechanism has evolved over time.

Parts of a
bicycle:

PARTS OF A BICYCLE



Basic Categorization of Bicycle:

- Bicycles are basically categorized into 3 types.
- They are - (1) Road Bike
 - (2) MTB (Mountain Bike)
 - 2.1. XC Bike (Cross Country Bike)
 - 2.2. Enduro Bike
 - 2.3. Downhill Bike
 - (3) Hybrid Bike

Road Bike

- Made for racing purpose and for professional cyclists.
- It has thin tires which reduces rolling resistance and increases traction and results in increase in speed.
- It's drop down handlebar gives good aerodynamic posture which helps in reducing the air resistance and increase in speed.
- It does not have suspension to prevent power loss.
- It is light weight, and thus it's frame is made up of aluminium alloy or carbon fiber.
- Idle for tarmac road.
- It is costlier than other bicycle.



MTB (Mountain Bike)



Made for adventure riding, especially on hills, trails, gravel roads, sands, muds and any type of off roading purpose.



It has fat tires to increase friction on the surface to get a good grip while riding.



It has flat and wider handlebars to get a good handling and to maintain good balance while off roading.



It has suspension to reduce the shock while off roading.



It is made up of either steel or aluminium alloy or carbon fiber.



MTB (XC Bike)



The XC Bike is also called as Cross Country Bike.



It is for those who want to travel faster while off roading especially on simple trails, gravels, bumps and woods.



On the basis of suspension, it can either be a hardtail bike (i.e. XC bike with front suspension only) or duo/dual suspension bike (i.e. XC bike having both front and rear suspension).

MTB (XC Bike)

Hardtail XC MTB



MTB (XC Bike)

Dual Suspension XC MTB



MTB (Enduro Bike)

- For those who want to push their limits and want to go for more adventurous riding.
- Always comes with full/dual suspension. Suspension travel is more than a XC MTB.
- Ideal for technical trails, single track and descending terrain.



MTB (Downhill Bike)

- For those who want to go fast and big on most technical trails i.e. for hardcore off roading and hardcore adventure sports.
- Always comes with full/dual suspension with highest most suspension travel.
- Idle for tough and hardcore terrains.



Hybrid Bike

- Made for city commuting; commuting to office, college, school; long distance riding and maintaining fitness.
- A perfect blend of Road Bike and MTB.
- Comes with flat and narrow handlebars.
- May come with a front suspension or no suspension.
- Wheels are wider than road bike wheels and narrower than MTB wheels.
- Made up of steel or aluminium alloy or carbon fiber.



Other Categories of Bicycle

- This is a typical **electric bike**.
- It can be powered by human legs as well as electric motor.
- It has a Lithium ion battery to power up the electric motor which can be detached, charged at home and can be attached again to power the electric motor.
- If the battery is down, then it can be paddled as a normal bike.
- Idle for old aged people, people with asthma or respiration problem and people with low stamina.



Other Categories of Bicycle

- This is a typical **fat bike**.
- It is a type of MTB idle for sandy or snowy way.
- It has very fat tires.
- It generally comes with either front suspension or no suspension.



Other Categories of Bicycle

- This is a typical **BMX** bike.
- BMX is the abbreviation for bicycle motocross.
- A small bike with 360 degree possible rotation of handlebar.
- Ideal for stunt men who perform various stunts and not for commuting purpose.



Other Categories of Bicycle

- This is a typical **touring bike**.
- It looks very similar to a road bike.
- It is for touring and travelling purpose.
- It has a lot of accessories mounting point and carriers.



Other Categories of Bicycle

- A loaded touring bike.



Other Categories of Bicycle

- This is a typical **cyclocross bike**.
- Just like touring bike, it also looks very similar to a road bike.
- It is designed for dirt trails, gravel and grass roads.
- It is used in cyclocross race.



Some Well-Known Brands of Bicycle Manufacturer

 **GIANT**

 **MERIDA**

 **SCOTT**

 **TREK**

 **SPECIALIZED**

 **BERGAMONT**

 **Bianchi**
PASSIONE CELESTE

 **B'TWIN**

 **LAPIERRE**

 **RIDLEY**

 **cannondale**

 **CANYON**

 **POLYGON**

 **SUNCROSS**
BIKES

 **RALEIGH**

 **FIREFOX**

Thank You