

Strange Quark

Electric Charge: $-1/3$
Spin: $1/2$
Mass: 95 MeV
Half Life: 0.1 nanoseconds

Colour Charge: Yes
Baryon Number: $1/3$
2nd generation (2 points)



Strange Quark

Electric Charge: $-1/3$
Spin: $1/2$
Mass: 95 MeV
Half Life: 0.1 nanoseconds

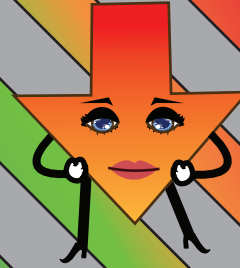
Colour Charge: Yes
Baryon Number: $1/3$
2nd generation (2 points)



Anti-Down Quark

Electric Charge: $+1/3$
Spin: $1/2$
Mass: 4.8 MeV
Half Life: Stable

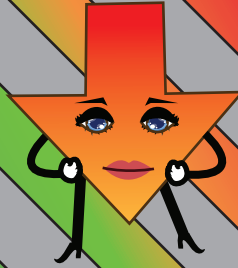
Colour Charge: Yes
Baryon Number: $-1/3$
1st generation (1 point)



Anti-Down Quark

Electric Charge: $+1/3$
Spin: $1/2$
Mass: 4.8 MeV
Half Life: Stable

Colour Charge: Yes
Baryon Number: $-1/3$
1st generation (1 point)



Anti-Strange Quark

Electric Charge: $+1/3$
Spin: $1/2$
Mass: 95 MeV
Half Life: 0.1 nanoseconds

Colour Charge: Yes
Baryon Number: $-1/3$
2nd generation (2 points)



Anti-Charm Quark

Electric Charge: $-2/3$
Spin: $1/2$
Mass: 1.29 GeV
Half Life: 1.1 picoseconds

Colour Charge: Yes
Baryon Number: $-1/3$
2nd generation (2 points)



Charm Quark

Electric Charge: $+2/3$
Spin: $1/2$
Mass: 1.29 GeV
Half Life: 1.1 picoseconds

Colour Charge: Yes
Baryon Number: $1/3$
2nd generation (2 points)



Charm Quark

Electric Charge: $+2/3$
Spin: $1/2$
Mass: 1.29 GeV
Half Life: 1.1 picoseconds

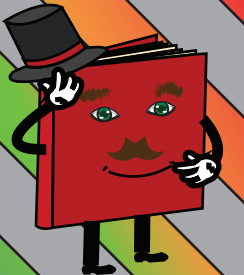
Colour Charge: Yes
Baryon Number: $1/3$
2nd generation (2 points)



Anti-Top Quark

Electric Charge: $-2/3$
Spin: $1/2$
Mass: 173.07 GeV
Half Life: 4.2×10^{-25} s

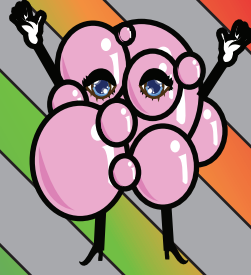
Colour Charge: Yes
Baryon Number: $-1/3$
3rd generation (3 points)



Anti-Bottom Quark

Electric Charge: $+1/3$
Spin: $1/2$
Mass: 4.18 GeV
Half Life: 1.3 picoseconds

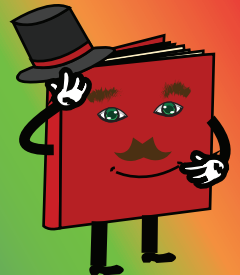
Colour Charge: Yes
Baryon Number: $-1/3$
3rd generation (3 points)



Top Quark

Electric Charge: $+2/3$
Spin: $1/2$
Mass: 173.07 GeV
Half Life: 4.2×10^{-25} s

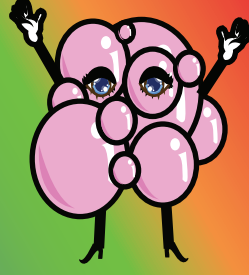
Colour Charge: Yes
Baryon Number: $1/3$
3rd generation (3 points)



Bottom Quark

Electric Charge: $-1/3$
Spin: $1/2$
Mass: 4.18 GeV
Half Life: 1.3 picoseconds

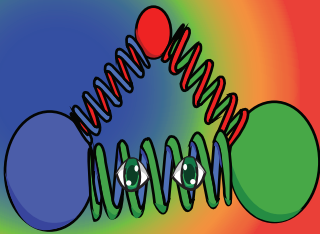
Colour Charge: Yes
Baryon Number: $1/3$
3rd generation (3 points)



Gluon

Electric Charge: 0
Spin: 1
Mass: 0.0 eV
Half Life: Stable

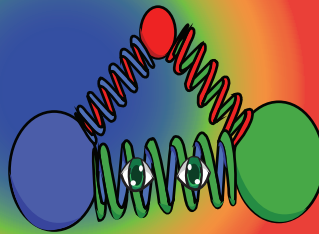
Colour Charge: Yes
Exchange boson
(1 point)



Gluon

Electric Charge: 0
Spin: 1
Mass: 0.0 eV
Half Life: Stable

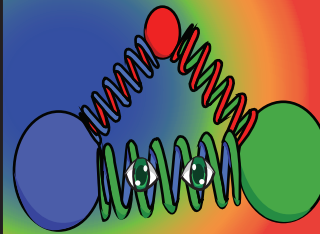
Colour Charge: Yes
Exchange boson
(1 point)



Gluon

Electric Charge: 0
Spin: 1
Mass: 0.0 eV
Half Life: Stable

Colour Charge: Yes
Exchange boson
(1 point)



Gluon

Electric Charge: 0
Spin: 1
Mass: 0.0 eV
Half Life: Stable

Colour Charge: Yes
Exchange boson
(1 point)

