In[ ]:=
```
h = 2 * π;
```

In[56]:=
```
m = 1;
```

In[53]:=
```
energy[nx_, ny_, nz_] := h^2/(8*m) * (nx^2/Lx^2 + ny^2/Ly^2 + nz^2/Lz^2);
```

```
Lx = Ly = Lz = 10;
```

```
energy[1, 1, 1]
```

Out[55]=
$$\frac{3\,\pi^2}{200}$$

```
Clear[L];
```

```
En[n_, L_] := h^2/(8*m) * n^2/L^2
```

In[38]:=
```
Plot[{En[1, L], En[2, L], En[3, L], En[4, L]}, {L, 0, 100},
 PlotRange → {{20, 100}, {0, 0.2}}, PlotLegends → Automatic]
```