

"Level (n)"	"Energy (units of $\hbar\omega$)"
0	<input type="checkbox"/>
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>

It would be very nice to make crude sketches of the functions as you use Mathematica to find them.

Note that we have labeled the solution we have found with an integer n , starting with $n = 0$. We could go beyond $n = 4$, but 4 is high enough to see the patterns emerge, and I would have had to make longWays bigger to get decently accurate results for larger values of n . Do not be concerned about the vertical axis in your sketches. We'll interpret the vertical axis in the next notebook.

```
In[18]:= Table[Plot[{}, {x, -3, 3}], 5] // Column
Out[18]=
```

