$$E_{5} = \frac{11}{2}\hbar\omega \qquad n = 5$$

$$E_{4} = \frac{9}{2}\hbar\omega \qquad \hbar\omega \qquad n = 4$$

$$E_{3} = \frac{7}{2}\hbar\omega \qquad \hbar\omega \qquad n = 3$$

$$E_{2} = \frac{5}{2}\hbar\omega \qquad \hbar\omega \qquad n = 2$$

$$E_{1} = \frac{3}{2}\hbar\omega \qquad \hbar\omega \qquad n = 1$$

$$E_{0} = \frac{1}{2}\hbar\omega \qquad \hbar\omega \qquad n = 0$$