Nobel chemistry prize for molecule photos

GAP FILL

The 2017 Nobel Prize in chemistry has gone to three scientists for their (1) _____ on photographing molecules. Professors Jacques Dubochet, Joachim Frank and Richard Henderson will (2) _____ the $1,090,000 prize. They developed a (3) _____ way of taking photos of molecules. Molecules are the very smallest building blocks that make up the (4) _____ in our body. Everything and everyone is made of molecules. The three chemists developed a (5) _____ called cryo-electron microscopy (cryo-EM). This allows scientists to (6) _____ in to amazing new (7) _____. Scientists can now see things in our bodies that we have never seen before. They can see how the building (8) _____ of life move.

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The Nobel Prize committee said the new cryo-EM technique will change science (9) _____. It said the technique has "moved biochemistry into a new (10) _____". The Nobel chairperson said: "Soon, there will be no more secrets. Now we can see the intricate (11) _____ of the biomolecules in every corner of our cells and every drop of our body (12) _____. We can understand how they are built and how they act and how they work (13) _____ in large communities. We are (14) _____ a revolution in biochemistry." Professor Frank said the practical (15) _____ for the technique were "immense". Cryo-EM will mean scientists can look at the building blocks of viruses. This means we will find (16) _____ for many diseases.

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