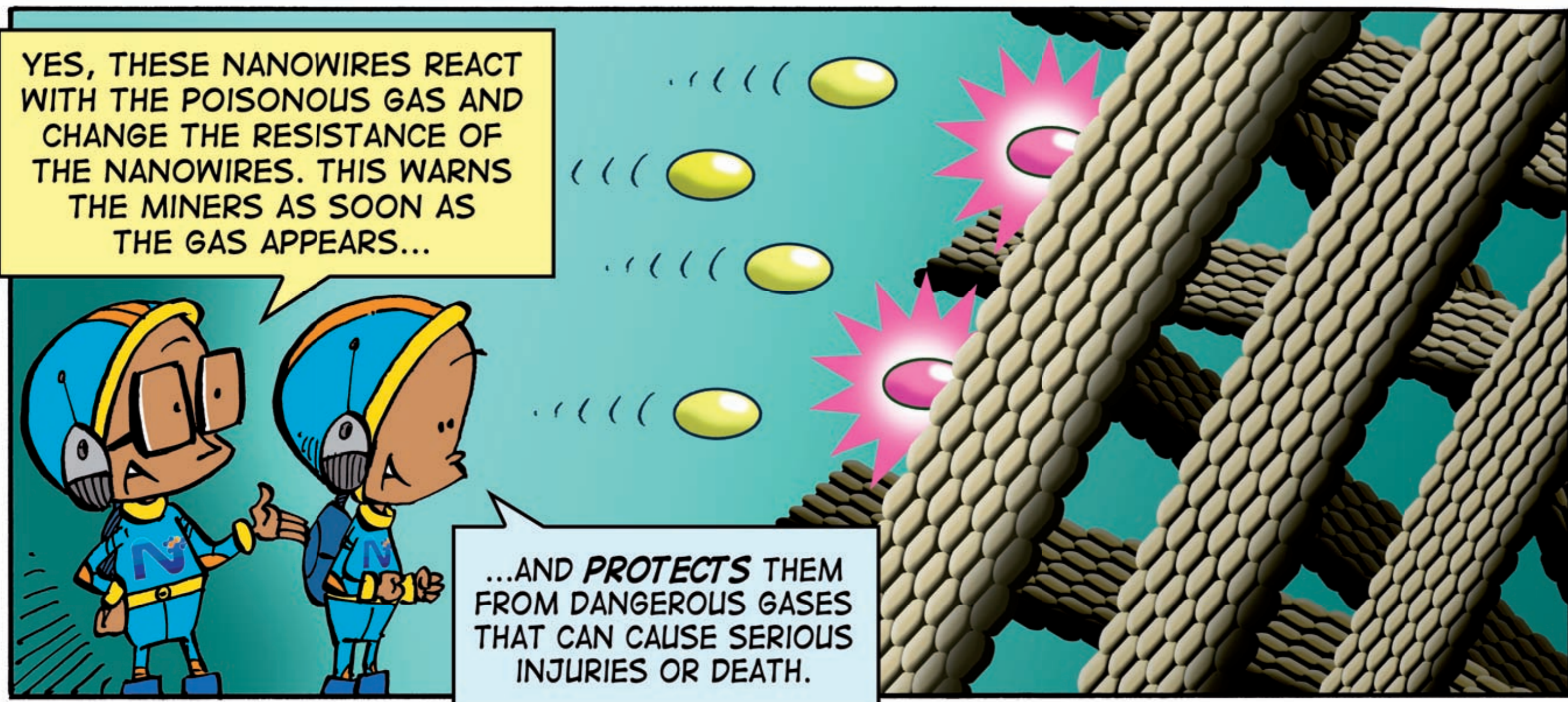
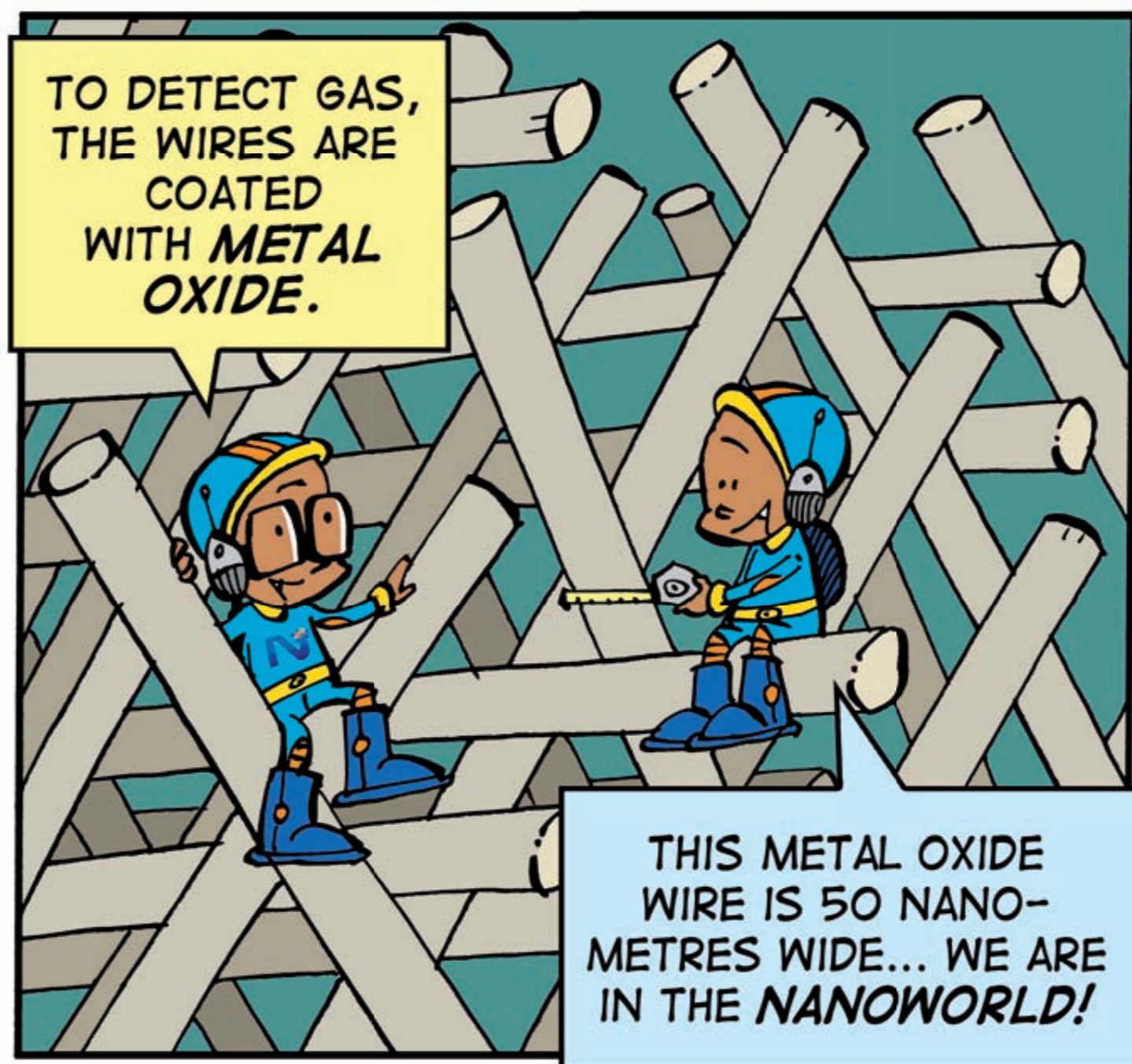
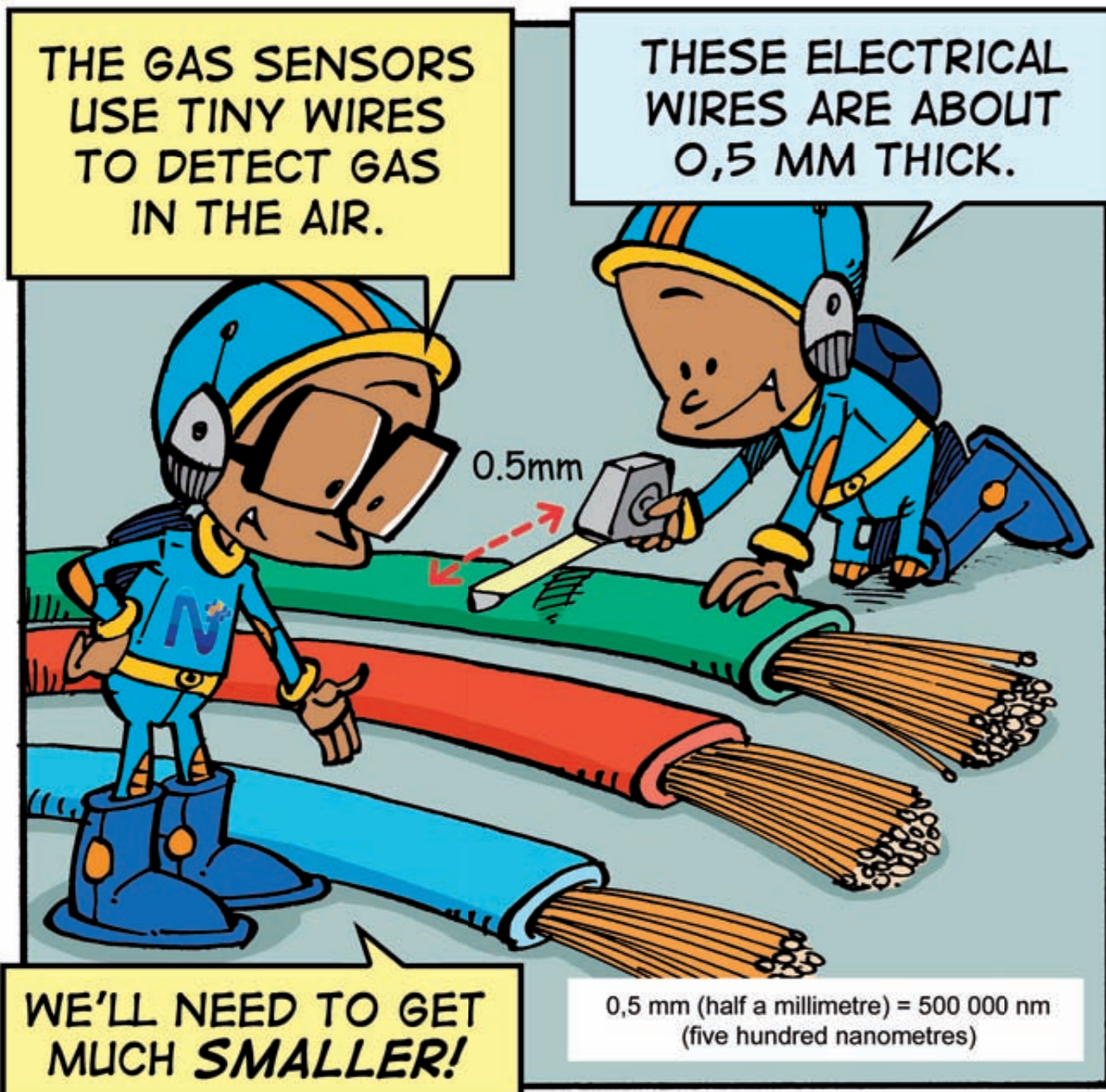
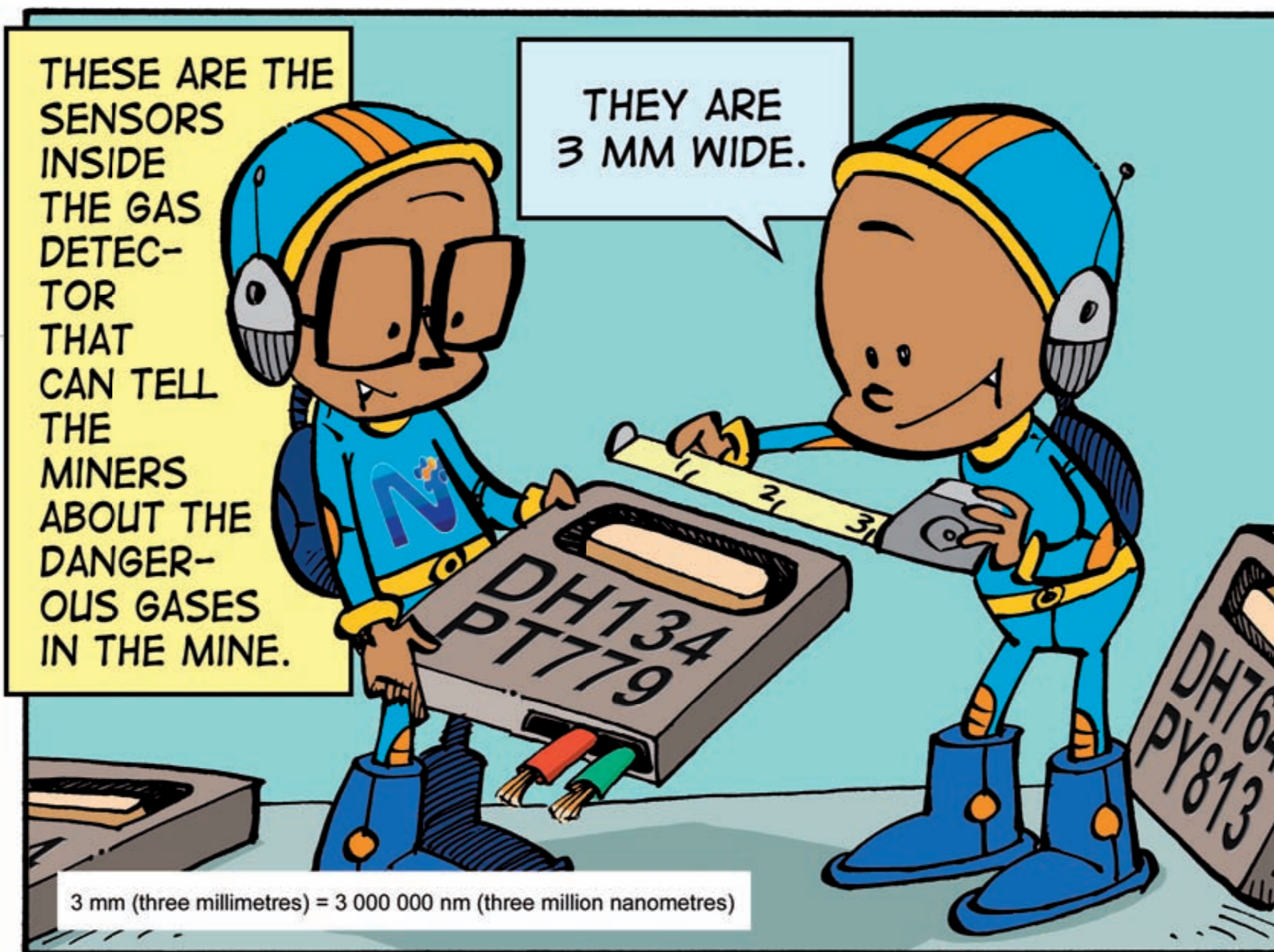
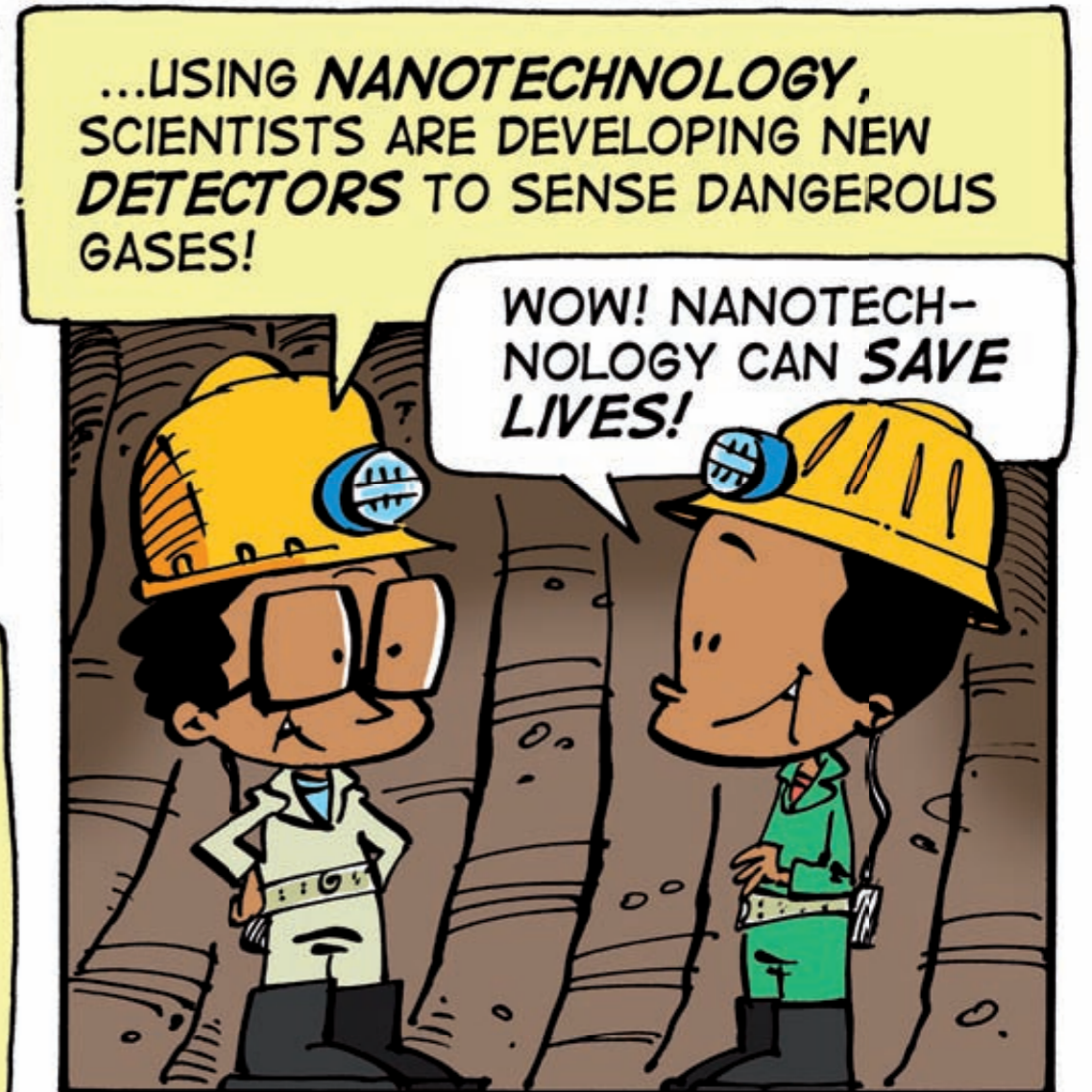




NANOTECHNOLOGY
PUBLIC ENGAGEMENT

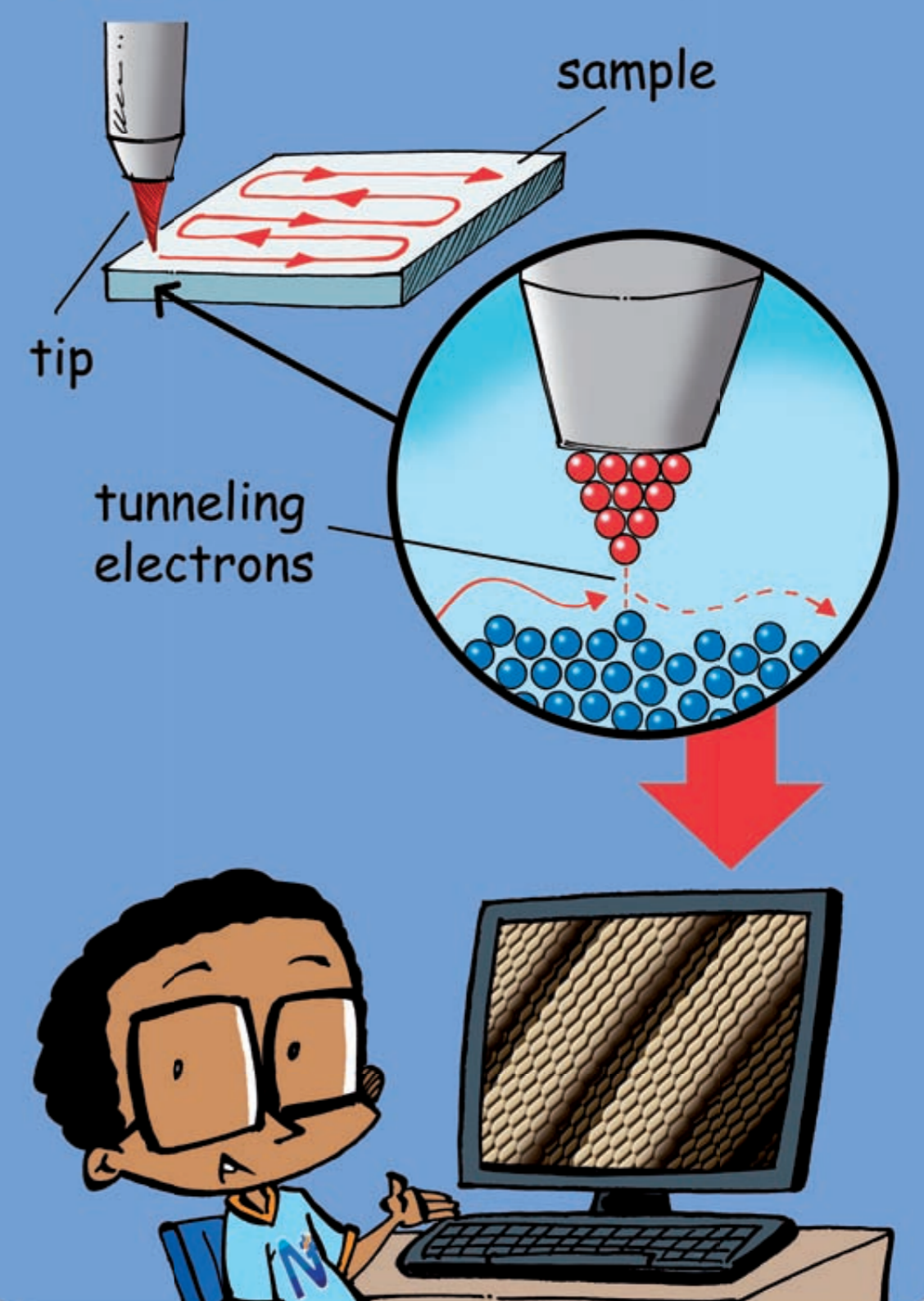
GAS DETECTION IN MINING USING NANOTECHNOLOGY



SCANNING TUNNELING MICROSCOPE (STM)

SCIENTISTS USE SPECIAL INSTRUMENTS TO SEE THE NANO WORLD. ONE OF THESE INSTRUMENTS IS THE SCANNING TUNNELING MICROSCOPE:

- The microscope has a tip that travels over the surface of the sample
- Electrons flow from the tip to the surface of the sample
- This forms a signal which is turned into an image and sent to a computer screen.



NANO CAREERS

NANOTECHNOLOGY IS USED IN MANY DIFFERENT BRANCHES OF SCIENCE AND TECHNOLOGY. THERE ARE MANY DIFFERENT CAREERS IN NANOTECHNOLOGY.



- ROBOTICS
- NATIONAL SECURITY
- SPACE EXPLORATION