



TeachEngineering

STEM Curriculum for K-12

The New and Improved Nanotube- Fighting Breast Cancer



Subscribe to our newsletter at TeachEngineering.org to stay up-to-date on everything TE!

Brought to you by



Raise your Hand!!



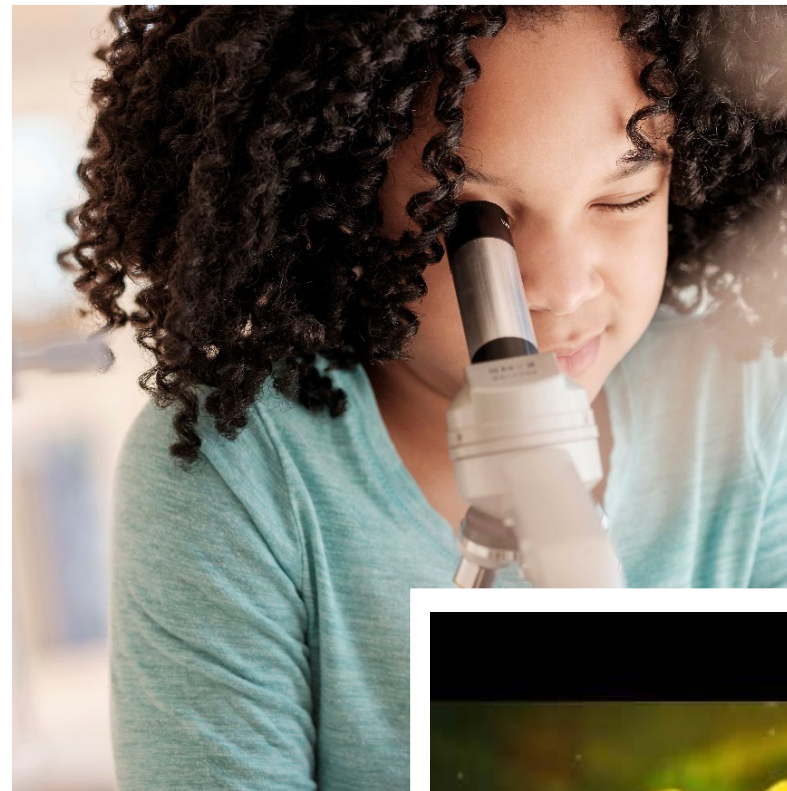
*If you know someone with breast cancer



*Know what breast cancer is

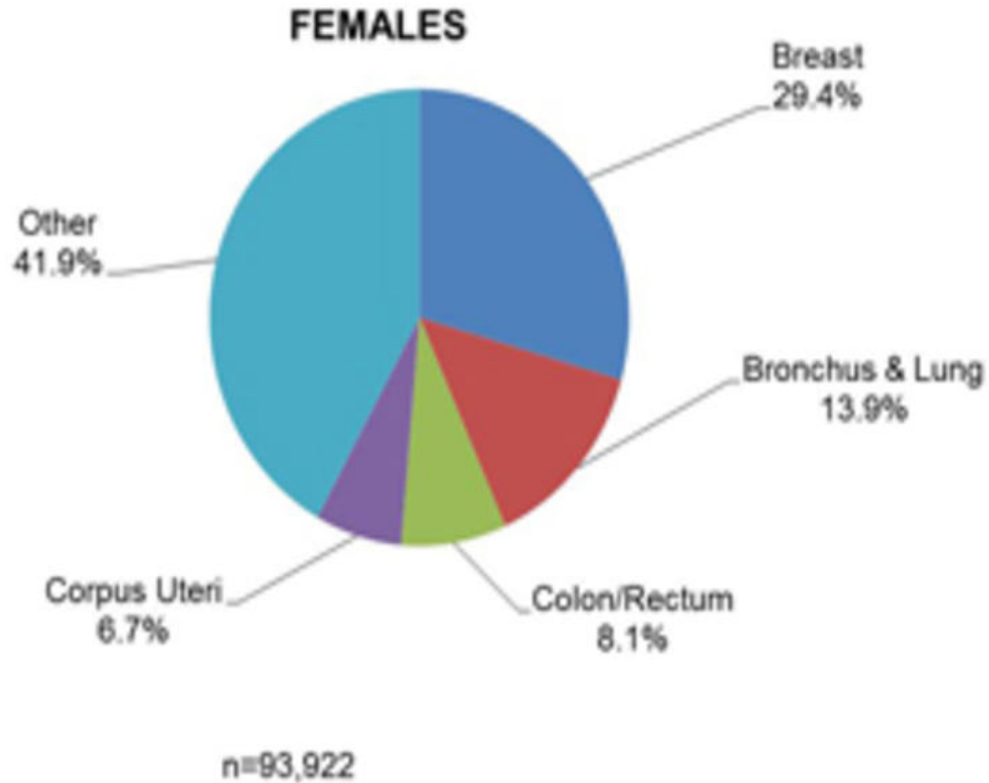


*Why cancer develops in the body



What is Breast Cancer?

PERCENTAGE OF CANCER INCIDENT CASES BY CANCER TYPE AND SEX
Massachusetts, 2009-2013



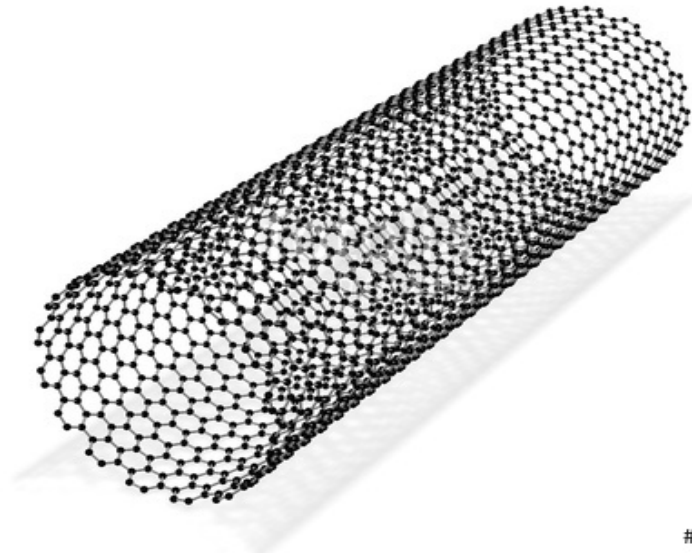
Source: Massachusetts Cancer Registry

Breast cancer is known as the uncontrolled growth of breast cells.

Thumbs up or Thumbs!!



Have ever heard of a carbon nanotube? Do you know how they are used?



#205752317

What are Carbon Nanotubes?

- Carbon nanotubes are cylindrical molecules that consist of rolled-up sheets of graphene
- Used in biomedical engineering in a variety of applications

So What's the Big Connection?

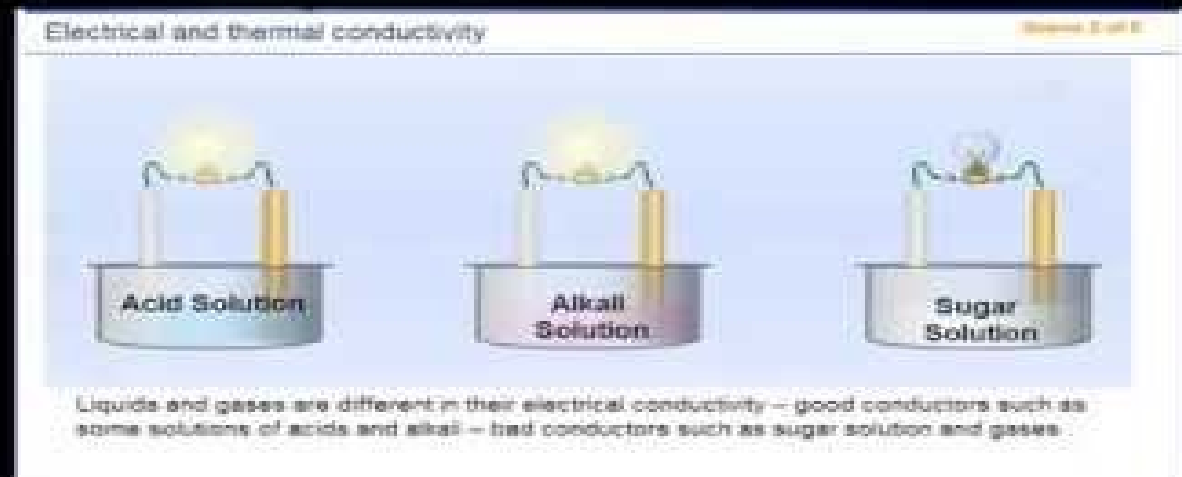
Carbon nanotubes hold outstanding properties such as electrical and thermal conductivity

Doctors are able to detect breast cancer in patients due to carbon nanotubes optical properties

The connection of the two may lead to a promising future in curing breast cancer!



What can you recall about conductivity?





Let's Get Started!!