

# FREE ACCESS GRADE 11 INTERMOLECULAR FORCES EXPERIMENT SOLUTIONS

Jimmie Sullivan

## Grade 11 Intermolecular Forces Experiment Solutions Introduction

NECT Gr 11 Intermolecular Forces - NECT Gr 11 Intermolecular Forces by Jo-Anne Miles-Levet 20,664 views 6 years ago 18 minutes - ... properties are related to the strength and type of **intermolecular forces**, in these substances let's make a start with evaporation.

06 Practical Demonstrations of Intermolecular Forces - 06 Practical Demonstrations of Intermolecular Forces by Mindset 38,123 views 10 years ago 10 minutes, 56 seconds - Grade, 7: Term 2. Natural Sciences.  
[www.mindset.africa](http://www.mindset.africa) [www.facebook.com/mindsetpoptv](http://www.facebook.com/mindsetpoptv).

Intro

molecular size • density

To investigate the effect that the strength of intermolecular forces has on evaporation.

Nail polish remover - London forces

To investigate the effect that the strength of intermolecular forces has on surface tension.

Surface tension is the attractive force exerted upon the surface molecules of a liquid by the molecules beneath.

To investigate the effect that the strength of intermolecular forces has on the solubility of different substances.

Science 3 Test Tubes: Ethanol

To investigate the effect that the strength of intermolecular forces has on the boiling points of different liquids.

NECT Physical Sciences - Gr 11 Intermolecular Forces - NECT Physical Sciences - Gr 11 Intermolecular Forces by Class Act Education 4,381 views 2 years ago 18 minutes

How to Identify the Intermolecular Force a Compound Has: London Dispersion, Dipole Dipole, H-Bonding - How to Identify the Intermolecular Force a Compound Has: London Dispersion, Dipole Dipole, H-Bonding by Conquer Chemistry 328,110 views 3 years ago 5 minutes, 37 seconds - Support me on Patreon [patreon.com/conquerchemistry](https://patreon.com/conquerchemistry) Check out my highly recommended chemistry resources ...

Intro

Definition

Example Problems

Intermolecular Forces - Hydrogen Bonding, Dipole Dipole Interactions - Boiling Point \u0026 Solubility - Intermolecular Forces - Hydrogen Bonding, Dipole Dipole Interactions - Boiling Point \u0026 Solubility by The Organic Chemistry Tutor 597,690 views 6 years ago 10 minutes, 40 seconds - This organic chemistry video tutorial provides a basic introduction into **intermolecular forces**,, hydrogen bonding, and dipole dipole ...

dipoledipole interactions

carbon monoxide

hydrogen bonding

ethanol vs dimethyl ether

ethanol vs butanol

pentane vs neopentane

Intermolecular Forces and Boiling Points - Intermolecular Forces and Boiling Points by Professor Dave

Explains 2,386,897 views 9 years ago 10 minutes, 54 seconds - Why do different liquids boil at different temperatures? It has to do with how strongly the molecules interact with each other ...

ion-dipole

Van der Waals

ion-ion (formal charges)

PROFESSOR DAVE EXPLAINS

Intermolecular Forces - Intermolecular Forces by Lasec Education 9,359 views 4 years ago 21 minutes -

Grade 11.; **Intermolecular Forces**, - the effects of **intermolecular forces**, on evaporation, surface tension, solubility, boiling points and ...

Intermolecular Forces

Objectives

Nail Polish Remover

Ethanol

Water

Solubility

Boiling Points

Heating

Testing

Boiling

Intermolecular Forces - Hydrogen Bonding, Dipole-Dipole, Ion-Dipole, London Dispersion Interactions -

Intermolecular Forces - Hydrogen Bonding, Dipole-Dipole, Ion-Dipole, London Dispersion Interactions by

The Organic Chemistry Tutor 2,199,306 views 8 years ago 45 minutes - This chemistry video tutorial focuses on **intermolecular forces**, such hydrogen bonding, ion-ion interactions, dipole dipole, ion ...

Intro

Ion Interaction

Ion Definition

Dipole Definition

IonDipole Definition

IonDipole Example

DipoleDipole Example

Hydrogen Bond

London Dispersion Force

Intermolecular Forces Strength

Magnesium Oxide

KCl

Methane

Carbon Dioxide

Sulfur Dioxide

Hydrofluoric Acid

Lithium Chloride

Methanol

Solubility

Experiment 3 Intermolecular Forces: Solutions - Experiment 3 Intermolecular Forces: Solutions by Lyndsey Plancarte 41 views 3 years ago 5 minutes, 4 seconds

What are Intermolecular Forces? - What are Intermolecular Forces? by ketzbook 76,936 views 3 years ago 21 minutes - Chemistry Lesson 5.1 **Intramolecular Forces Intermolecular Forces**, Ion-ion forces Coulomb's Law Dipole-dipole forces Hydrogen ...

5.1 Intermolecular Forces

Intramolecular forces are forces within a molecule (covalent bonds)

Keep in mind that these are generally attractive forces, and the basis of all these forces is simply electrostatic

1. Large charges have stronger attraction

Dipole-Dipole Forces

Hydrogen Bonds Are: 1 NOT real bonds

Hydrogen Bonding in Water

Hydrogen Bonding in DNA

Non-Polar Molecules

Instantaneous Dipole

Induced Dipole

Larger molecules = more London forces

Boiling Point Comparison

Comparing Molecular Forces

How to Determine if Molecule is Polar or Nonpolar Practice Problems, Rules, Examples, Summary - How to

Determine if Molecule is Polar or Nonpolar Practice Problems, Rules, Examples, Summary by Conquer

Chemistry 218,305 views 5 years ago 7 minutes, 19 seconds - Support me on Patreon

patreon.com/conquerchemistry My highly recommended chemistry resources HIGH SCHOOL ...

How to Determine if Molecule is Polar or Nonpolar?

Molecule will be nonpolar if 1 The molecular shape around the central atom has no lone pairs, or if it does it's either square planar or linear 2 All atoms around the central atom are the same

Linear 2 atoms \u0026 elther 3 or 4 lone pairs

Square planar: 4 atoms 2 lone pairs

Linear 2 atoms \u0026 either 3 or 4 lone pairs

Intermolecular forces experiment - Intermolecular forces experiment by Claire Moniva 18,891 views 4 years ago 5 minutes, 52 seconds

Ranking Intermolecular Forces - Compare Highest/Lowest Boiling Points with IMF's - Ranking

Intermolecular Forces - Compare Highest/Lowest Boiling Points with IMF's by Straight Science 39,644

views 4 years ago 9 minutes, 33 seconds - Just a quick video um i got a great question about ranking the **intermolecular forces**, and also about what is soluble or not soluble ...

Intermolecular Forces - Intermolecular Forces by Brightstorm 603,210 views 14 years ago 5 minutes, 40 seconds - Watch more videos on <http://www.brightstorm.com/science/chemistry> SUBSCRIBE FOR ALL OUR VIDEOS!

Intermolecular Forces

Hydrogen Bonds

Water Bonds

Chemistry demonstration involving intermolecular forces - Chemistry demonstration involving

intermolecular forces by Tommy Technetium 60,388 views 8 years ago 6 minutes, 57 seconds - A test tube is filled with very simple materials to produce two brightly colored, yet separate layers of liquid.

add one drop of yellow food dye

add one drop of food coloring

add one drop of purple

INTERMOLECULAR FORCES-SURFACE TENSION - INTERMOLECULAR FORCES-SURFACE

TENSION by pegneck 30,252 views 12 years ago 5 minutes, 56 seconds - A discussion and demonstration of **intermolecular forces**,, with examples of surface tension.

Intermolecular Forces and Trends, Formal Charges, Hund's Rule, Lattice Structures and Unit Cells -

Intermolecular Forces and Trends, Formal Charges, Hund's Rule, Lattice Structures and Unit Cells by

Melissa Maribel 220,945 views Streamed 5 years ago 55 minutes - --OTHER RESOURCES TO HELP YOU GET THROUGH SCHOOL-- This was my go-to homework help when I was in school.

Intermolecular Forces

Hydrogen Bonding

Dipole-Dipole

London Dispersion

Hund's Rule

Lattice Structures/ Unit Cells

IMF and Solubility - IMF and Solubility by Old School Chemistry 8,360 views 5 years ago 6 minutes, 57

seconds - How **intermolecular forces**, impact the solubility of substances. Instagram: Lean.Think Website:

LeanThink.org.

Van der Waals Forces - Van der Waals Forces by Nucleus Biology 191,142 views 2 years ago 7 minutes, 10 seconds - #VanDerWaals #molecules #MolecularAttraction SCIENCE ANIMATION TRANSCRIPT: In this video, we'll discuss Van der Waals ...

Intro

Polar Molecules

Polar Covalent Bonds

Nonpolar Molecule

Cohesion

Adhesion

Solubility and intermolecular forces | AP Chemistry | Khan Academy - Solubility and intermolecular forces | AP Chemistry | Khan Academy by Khan Academy 51,614 views 4 years ago 4 minutes, 23 seconds - Khan Academy is a nonprofit organization with the mission of providing a free, world-class, education for anyone, anywhere.

11.1 Intermolecular Forces | General Chemistry - 11.1 Intermolecular Forces | General Chemistry by Chad's Prep 30,136 views 3 years ago 35 minutes - Chad provides a comprehensive lesson on **Intermolecular Forces**, and how they affect the bulk properties of liquids and solids.

Lesson Introduction

What are Intermolecular Forces?

Dipole-Dipole Forces

Hydrogen Bonding

London Dispersion Forces

Ion-Dipole Forces

Intermolecular Forces and Properties of Liquids

Vapor Pressure and Boiling Point

Ranking Intermolecular Forces Example #1

Ranking Intermolecular Forces Example #2

Ranking Intermolecular Forces Example #3

Ranking Intermolecular Forces Example #4

Grade 11 Intermolecular Forces Part 5 of 6 - Grade 11 Intermolecular Forces Part 5 of 6 by •?jelly Abrahams ?• 417 views 4 years ago 1 minute, 49 seconds - Grade 11, IMF **Experiment**, 4: **Boiling Point**,.

Intermolecular Forces grade 11: Different types - Intermolecular Forces grade 11: Different types by Kevinmathscience 241,532 views 3 years ago 11 minutes, 41 seconds - In this lesson we look at the different types of **intermolecular forces**, from **grade 11**,. Do you need more videos? I have a complete ...

Dipole Dipole Force

Type of Intermolecular Force between Hydrogen Molecules

Electronegativities

Force between a Non-Polar and an Ion

Induced Dipole

How to identify intermolecular forces? - How to identify intermolecular forces? by Najam Academy 159,144 views 1 year ago 8 minutes, 5 seconds - This lecture is about how to identify **intermolecular forces**, like dipole dipole force, London dispersion force and hydrogen bonding ...

Introduction

Intermolecular forces

Polar and nonpolar molecules

How to identify intermolecular forces

Intermolecular Forces Trends: Melting \u0026 Boiling Point, Viscosity, Surface Tension, Vapor Pressure - Intermolecular Forces Trends: Melting \u0026 Boiling Point, Viscosity, Surface Tension, Vapor Pressure by Conquer Chemistry 53,594 views 3 years ago 2 minutes, 51 seconds - Support me on Patreon patreon.com/conquerchemistry Check out my highly recommended chemistry resources ...

Evaporation and Intermolecular Attractions - Evaporation and Intermolecular Attractions by FlinnScientific 34,710 views 11 years ago 13 minutes, 15 seconds - Analyze cooling effect of evaporation to compare the

strength of attractive **forces**, between molecules. This video is part of the Flinn ...

Evaporation and Intermolecular Attractions

Setup

Wrapping Probes

Experiment Setup

Intermolecular Forces

Evaporation

Real Projects

Grade 11 Intermolecular Forces Part 6 of 6 - Grade 11 Intermolecular Forces Part 6 of 6 by •?jelly Abrahams

?• 1,099 views 4 years ago 1 minute, 22 seconds - Grade 11, IMF **Experiment**, 5: Capillarity.

Search filters

Keyboard shortcuts

Playback

General

Subtitles and closed captions

Spherical videos

[sanford guide to antimicrobial therapy pocket guide sanford guide to animicrobial therapy](#)

[renault kangoo van 2015 manual](#)

[larte di fare lo zaino](#)

[weber genesis s330 manual](#)

[1983 200hp mercury outboard repair manua](#)

[1994 club car ds gasoline electric vehicle repair manual](#)

[essentials of psychology concepts applications 2nd edition](#)

[examination medicine talley](#)

[a students guide to data and error analysis](#)

[you are god sheet music satb](#)