Grade 10

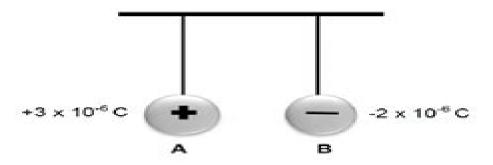
# Electrostatics worksheet lesson 1

2021/2022

#### Question 1

ISU Physics

Two small identical spheres, A and B, are suspended on long silk threads, as shown in the sketch below. The spheres carry charges of +3 x 10<sup>-6</sup> C and -2 x 10<sup>-6</sup> C respectively.



1.1 Which sphere has an excess of electrons and why (Aiii 3-4)?

The two spheres are allowed to touch.

1.2 Will the electrons be transferred from A to B or B to A (Ai 1-2)?

The spheres are now separated.

- 1.3 Calculate the new charge on sphere B (Aii 3-4).
- Calculate the number of electrons transferred during contact (Aii 1.4 5-6).

# **Physical Science Grade1term3 Electrostatics**

**Victor M. Corman** 

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Physical Science Mr. Rohit Manglik, 2024-07-15 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels Studying the Sciences, Physics - Grades 10-12 Donnette Davis, **Catalogue** Grove City College,1919 Physical Science Robert James Havighurst, 1929 A Chemical Dictionary Ingo The High School Teacher ,1929 **Teacher Development for Content-Based** Waldemar Dagobert Hackh, 1929 Language Education Susan Ballinger, Ruth Fielding, Diane J. 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