**E-1 Checklist**

On every table, check the presence of:

2 metal spheres

1 hollow metal sphere

1 ebonite rod

1 acrylic rod

Rabbit fur

1 silk cloth

Test sphere

Faraday’s cup

Electrometer

Electroscope

Hot air gun

Ethanol lamp

Matches

In lab room, check the presence of:

At least 1 jar of ethanol

Co-axial cables

Banana cables

On each table, test for functionality:

The electrometer can be set very close to the ‘0’ reading by shorting momentarily

Connect the electrometer to the Faraday cup and check whether the rods (ebonite and acrylic) are neutral in charge

Charge any on rod (ebonite or acrylic) and check if the Faraday cup and Electrometer give the expected reading. Neutralize the charges on the rod again

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
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Charge one of the rods, take it close to the electroscope and check if the leaves of the electroscope rise. Neutralize the charge on the rod.

Check whether the hot air gun turns on and can emit hot air.

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