**Module 3 Week 3 Exercise 18**

Match the transformer applications in Column A with the types of transformers commonly used in those applications in Column B. Write the corresponding letter of the type of transformer in the space provided next to each application. Additionally, provide a brief explanation of the reasons for choosing that specific type of transformer for each application.

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| **Column A** | **Column B** |
| 1. Power Distribution | A. Distribution Transformer |
| 2. Lighting Systems | B. Isolation Transformer |
| 3. Industrial Machinery | C. Autotransformer |
| 4. Renewable Energy Integration | D. Control Transformer |
| 5. Voltage Regulation | E. Step-Up Transformer |
| 6. Appliances and Electronics | F. Step-Down Transformer |

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| **Column A** | **Column B** | **Explanation** |
| 1. Power Distribution |  |  |
| 2. Lighting Systems |  |  |
| 3. Industrial Machinery |  |  |
| 4. Renewable Energy Integration |  |  |
| 5. Voltage Regulation |  |  |
| 6. Appliances and Electronics |  |  |