```
        return "sp²"
    elif num_electrons == 4:
        return "sp³"
print("Carbon has " + str(carbon_electrons) + "
valence electrons and hybridizes as " +
hybridization(carbon_electrons))
```

Which will output:

```
Carbon has 4 valence electrons and hybridizes as
sp³
```

This is just a simple representation of the concept, in the video there is a more detailed explanation with examples and calculations.

Together, these ideas help to explain the unique bonding properties of carbon, and why it is such an important element in chemistry and biology.

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