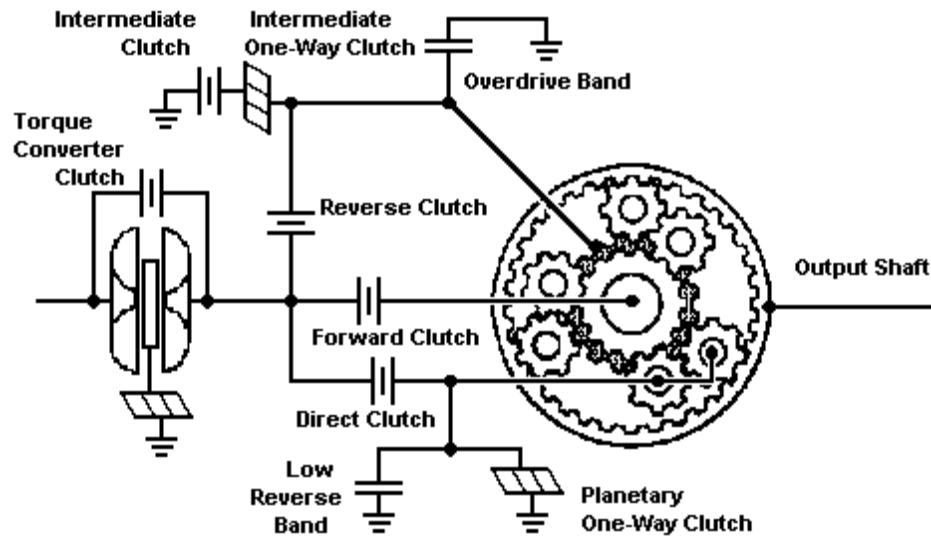


Student Name _____

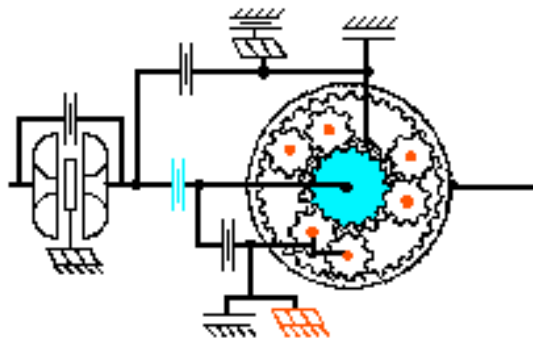
KEY

Date _____

Directions: The clutch and band arrangement for a Ford 4R70W (AOD) is shown. Circle the names of the input apply devices. Draw a box around the names of the reaction apply devices..



1. 1st gear: The input apply device is the **Forward Clutch**; it drives the **Forward/Small Sun Gear**. Color the input apply device and its planetary member blue.



The reaction apply device is the **Planetary One-Way Clutch**; it holds the **Carrier**. Color the reaction apply device and its planetary member red.

What are the long planet pinion gears doing?

What are the short planet pinion gears doing?

2. 2nd gear: The input apply device is the **Forward Clutch**; it drives the **Forward/Small Sun Gear** .

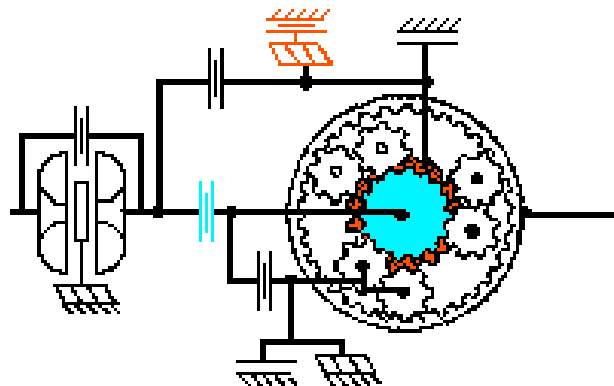
Color the input apply device and its planetary member blue.

The reaction apply device is the **Intermediate Clutches**; it holds the **Reverse/Large Sun Gear**.

Color the reaction apply device and its planetary member red.

What are the long planet pinion gears doing?

What are the short planet pinion gears doing?

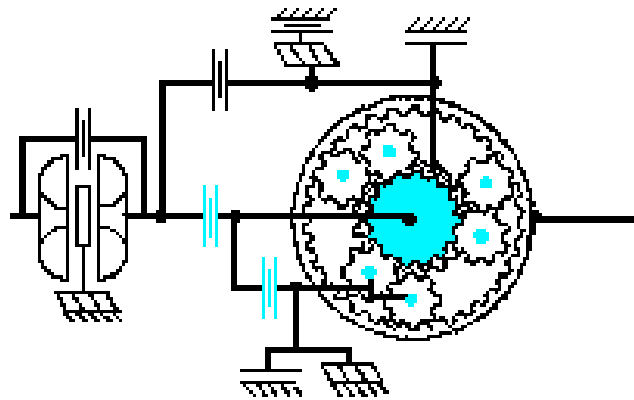


3. 3rd gear: The input apply device are the **Forward & Direct Clutches**; it drives the **Forward/Small Sun Gear & Carrier**.

Color the input apply devices and its planetary member blue.

What are the long planet pinion gears doing?

What are the short planet pinion gears doing?



4. 4th gear: The input apply device is the **Direct Clutches**; it drives the **Carrier**.

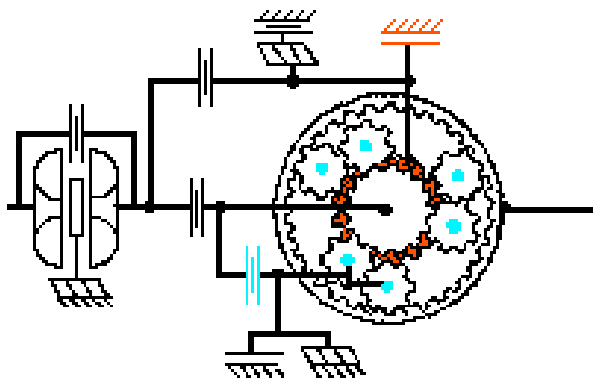
Color the input apply device and its planetary member blue.

The reaction apply device is the **Overdrive Band**; it holds the **Reverse/Large Sun Gear**.

Color the reaction apply device and planetary member red.

What are the long planet pinion gears doing?

What are the short planet pinion gears doing?



5. Reverse gear: The input apply device is the **Reverse Clutch**; it drives the **Reverse/Large Sun Gear**.

Color the input apply device and its planetary member blue.

The reaction apply device is the **Low Reverse Band**; it holds the **Carrier**.

Color the reaction apply device and its planetary member red.

What are the long planet pinion gears doing?

What are the short planet pinion gears doing?

