Name	: Date:
	Gears in Action
each g	day's activity you will be looking at a variety of gears on the internet. For gear system you see, you will answer the same questions. All of the gear es can be found on Mr. Collinson's webpage.
2. 3. 4. 5.	ions: What is the gear system? What is the gear system used for? How many gears are being used? What types of gears are being used? Is the system used to change speed or direction (or both)? What is the input to make the system work?
Systen	n #1:
1.	Engine
2.	Moving a vehicle
3.	চ
4.	Spur Gears
-	Both
6.	When the gas explodes it pushes the pistons up, which turns the axle with the gears.

6. When you turn the know it rotates the pinion, which moves up and down the rack.

System #2:

3. 2

1. Microscope

4. Rack and Pinion

5. Both (mainly direction)

2. Viewing images at high magnification.

Syste	em #3:
1.	Hand Drill
2.	Making a hole in an object
3.	2
4.	Bevel Gears
5.	Both
6.	You turn the handle, which rotates the first gear. The second gear than turns the drill bi-
Syste	em #4:
1.	Transmission
2.	Changing the speed or power used to turn an object.
3.	4
4.	Worm Gear and Spur Gears
5.	Both
6.	A motor would be attached to one of the axles.
Svste	em #5:
	Clock
2.	Telling us the time of day.
3.	<b>8</b> ?
4.	Spur Gears (Stacked)
	Both
6.	A battery makes a motor turn one of the gears, which is connected to multiple others.