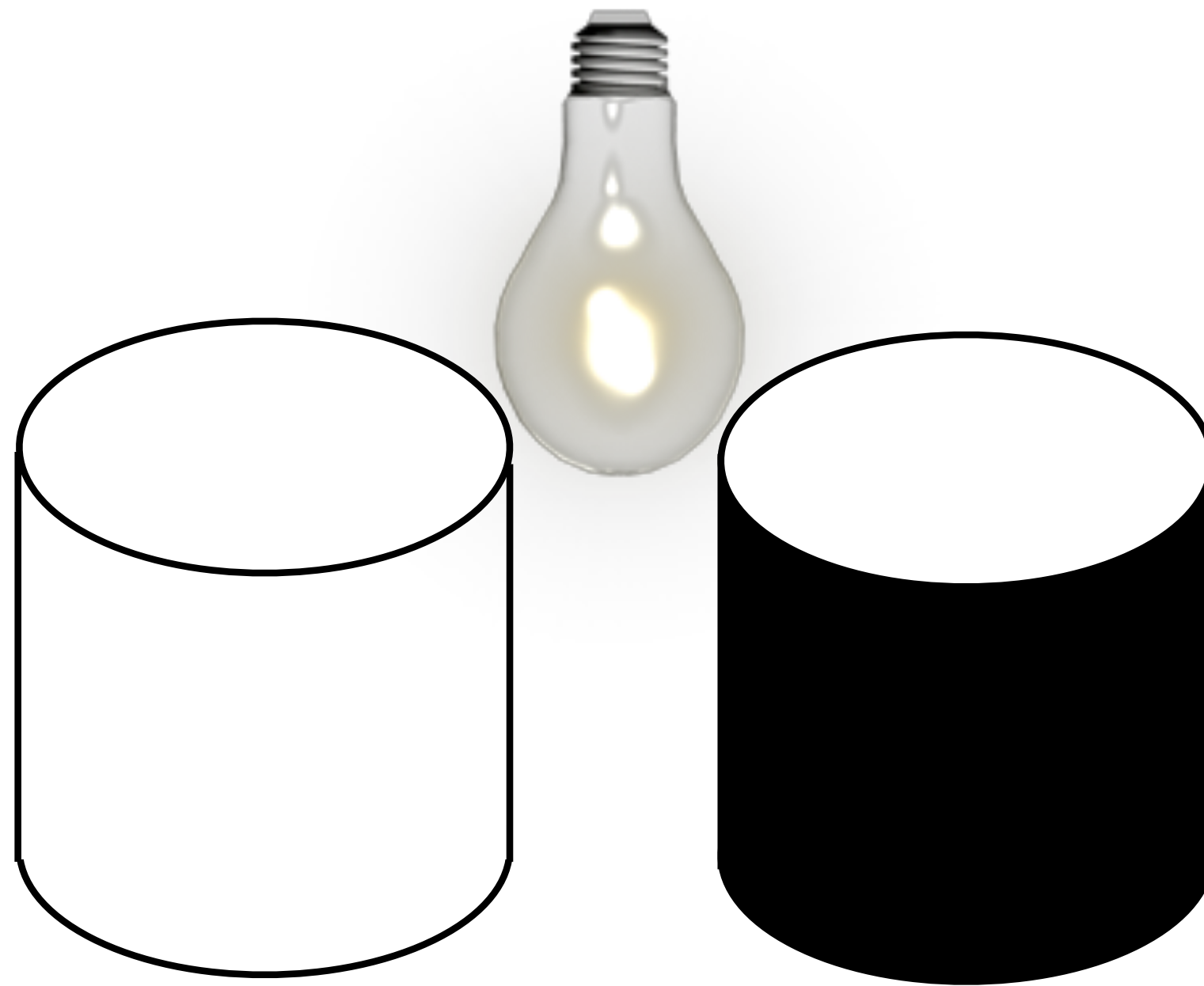


**Experiment #1**



What type of energy transfer is occurring here?  
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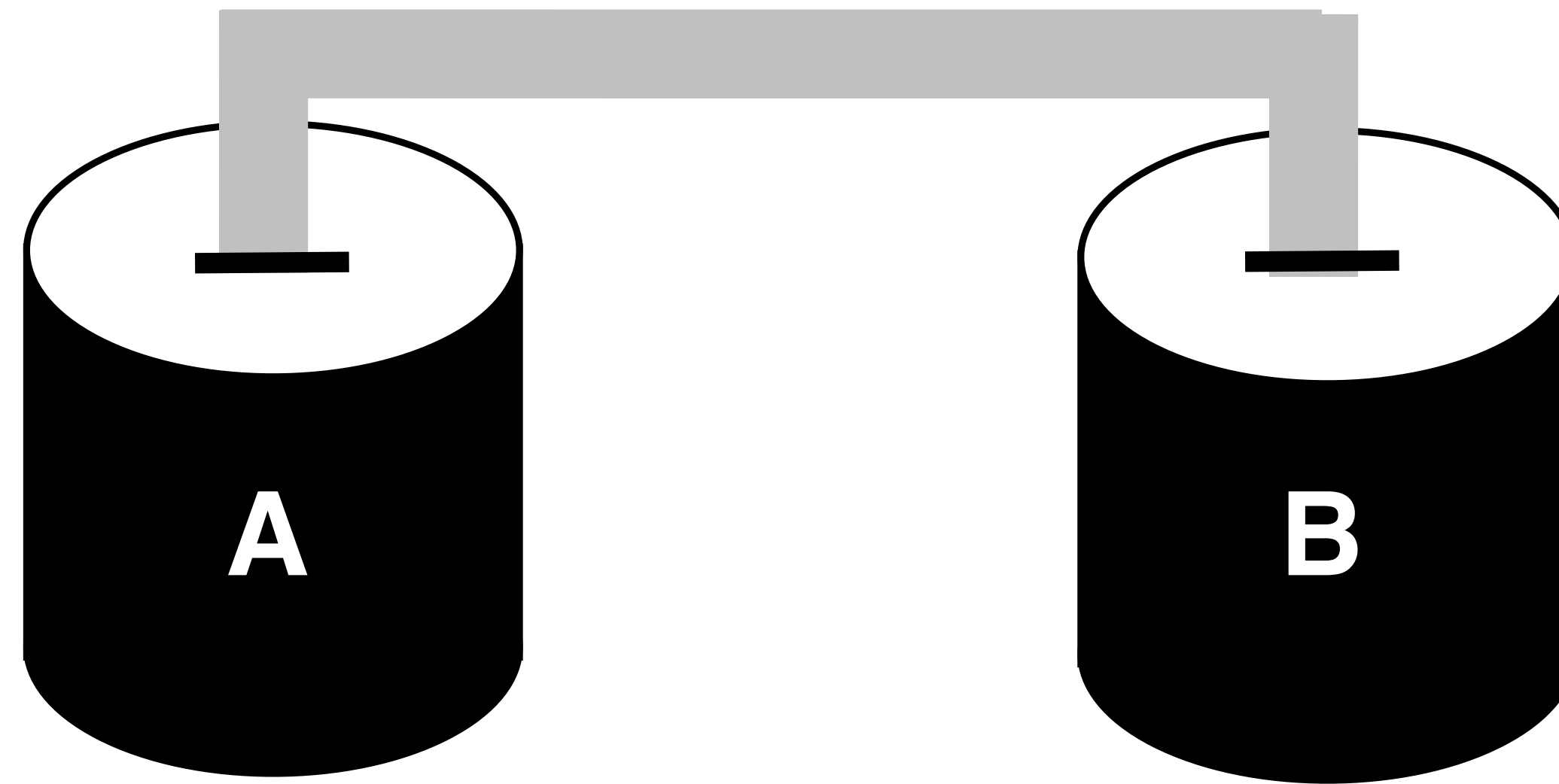
**Which can will heat up faster?**

**Removed Light**

Record the temperatures of the water in the silver can and in the black can once a minute for ten minutes.

Time (minutes)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Silver Can Temp.	31°	31°	31°	32°	32°	34°	35°	35°	36°	37°	37°	36°	36°	35°	34°	32°	32°	32°	31°
Black Can Temp.	31°	32°	34°	37°	38°	40°	41°	44°	45°	47°	46°	42°	40°	39°	37°	37°	32°	31°	31°

## Experiment #2



What type of energy transfer is occurring here?

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**How will the temperatures Change?**

**Record the temperatures of the water in can A and can B once a minute for ten minutes.**

Time (minutes)	0	1	2	3	4	5	6	7	8	9	10
Can A	94°	92°	89°	86°	85°	83°	82°	79°	78°	76°	74°
Can B	6°	6°	7°	9°	11°	12°	15°	16°	19°	20°	22°