

## Observation Sheet

Exploration: Experimenting with Colored Filters (Modified from [Seeing the Moon: Using Light to Investigate the Moon Educator Guide](#))

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### Through a RED Filter

Paper #1	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #2	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #3	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #4	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #5	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #6	appears	_____	very dark	_____	dark	_____	bright	_____	very bright

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### Through a GREEN Filter

Paper #1	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #2	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #3	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #4	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #5	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #6	appears	_____	very dark	_____	dark	_____	bright	_____	very bright

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### Through a BLUE Filter

Paper #1	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #2	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #3	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #4	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #5	appears	_____	very dark	_____	dark	_____	bright	_____	very bright
Paper #6	appears	_____	very dark	_____	dark	_____	bright	_____	very bright

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Why do you think different colored papers look different through colored filters?