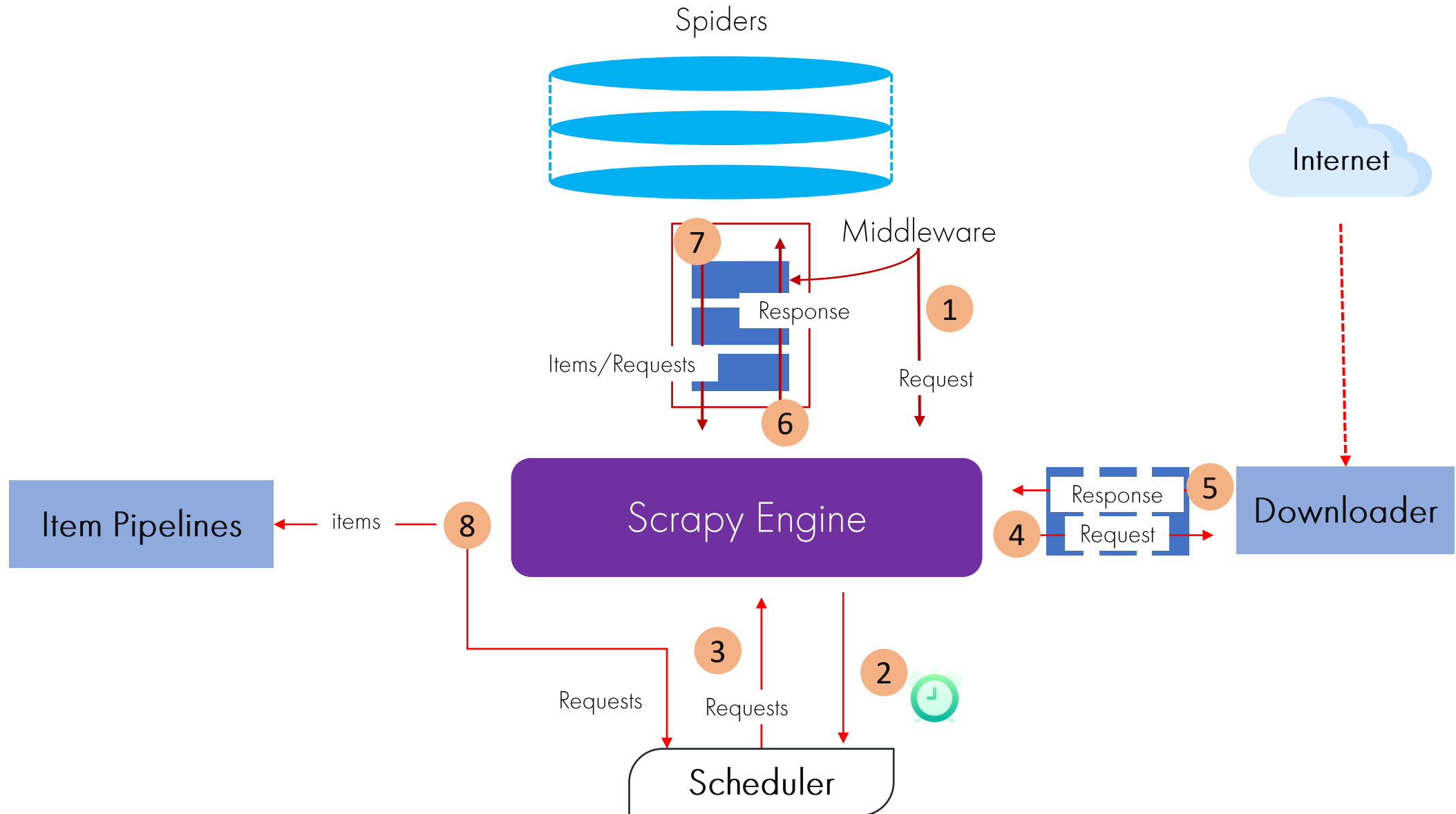


# How Scrapy Works

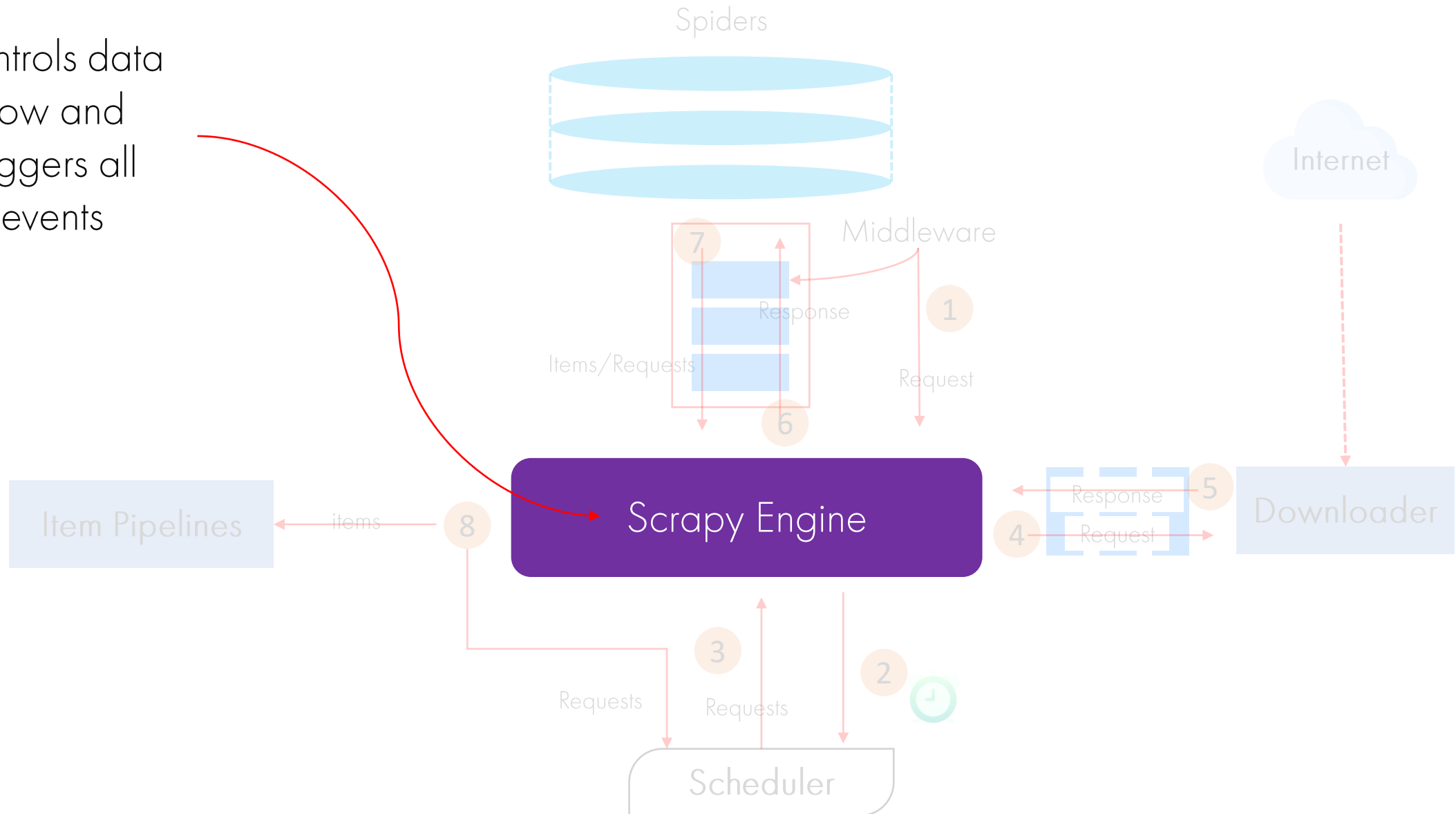
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# How Scrapy Works



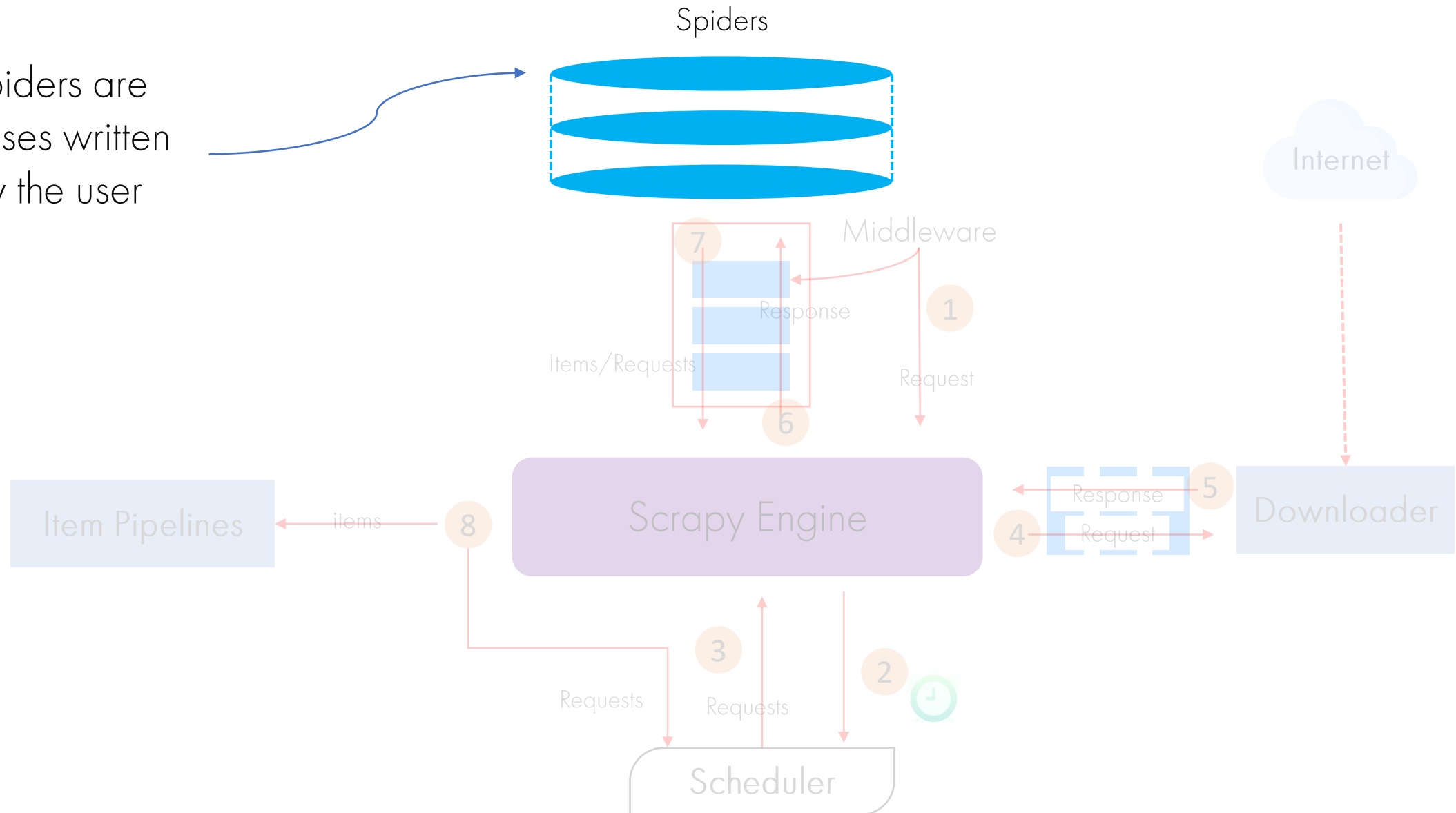
# How Scrapy Works

Controls data flow and triggers all events



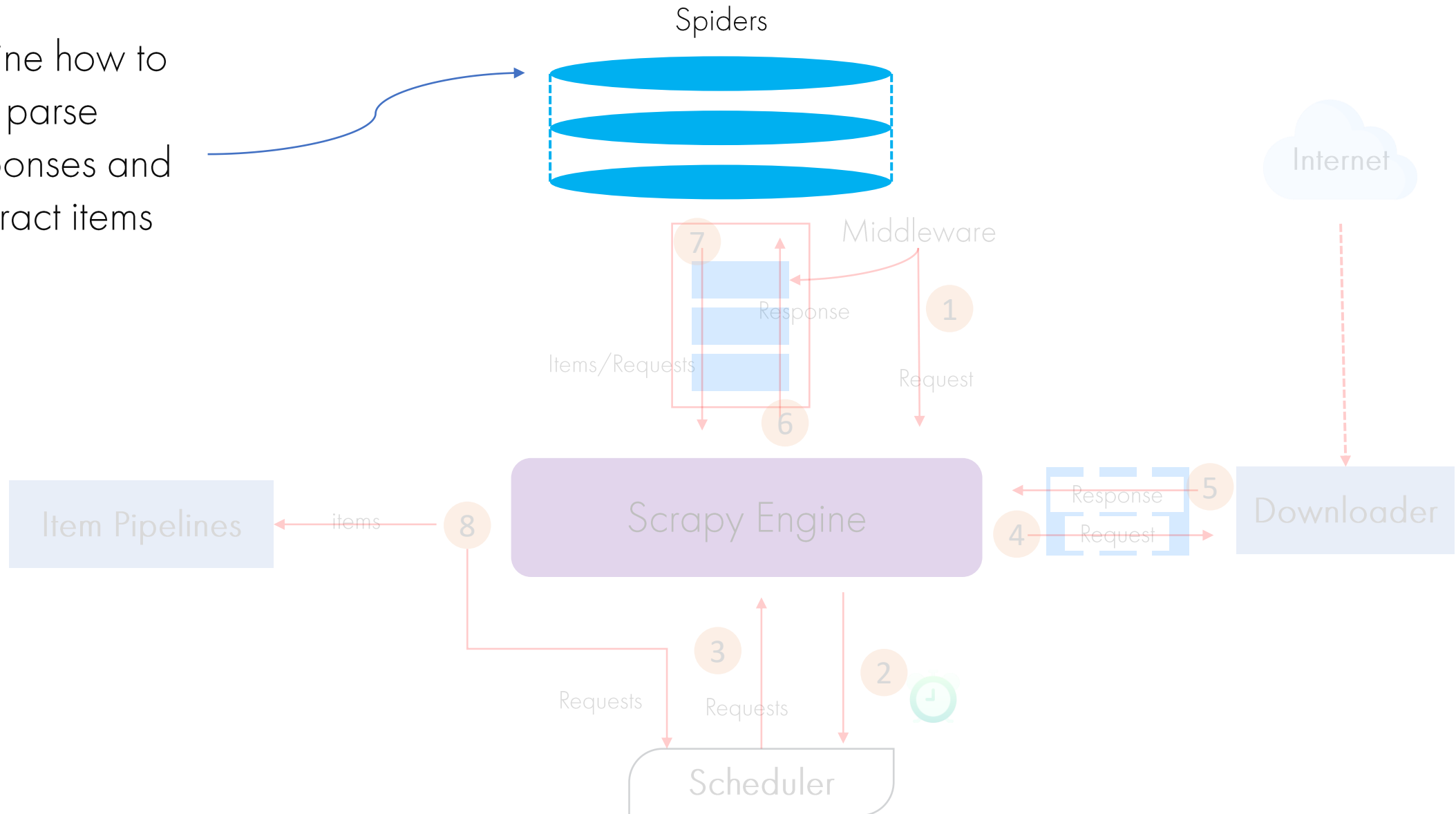
# How Scrapy Works

Spiders are classes written by the user

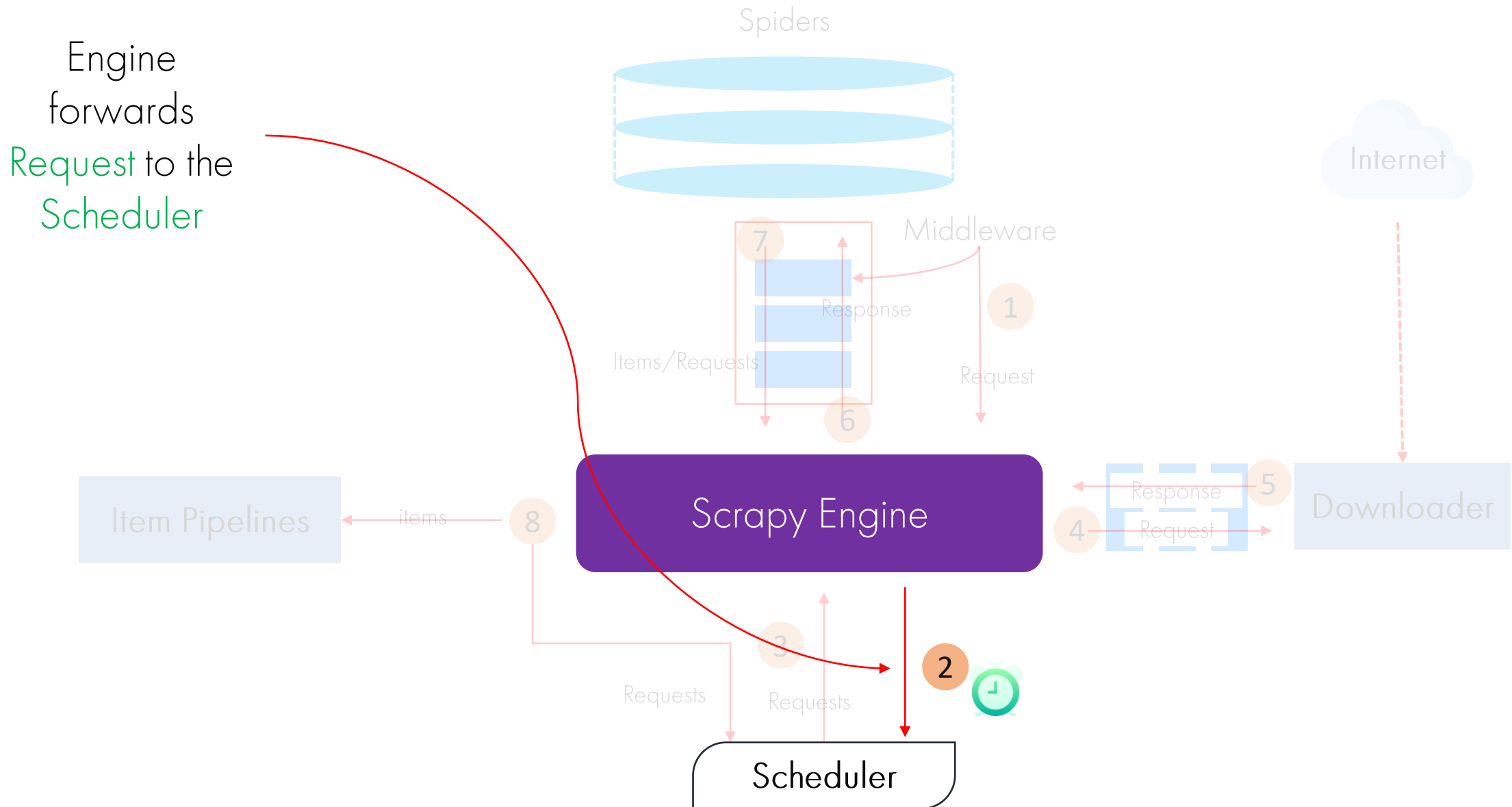


# How Scrapy Works

Define how to  
parse  
responses and  
extract items

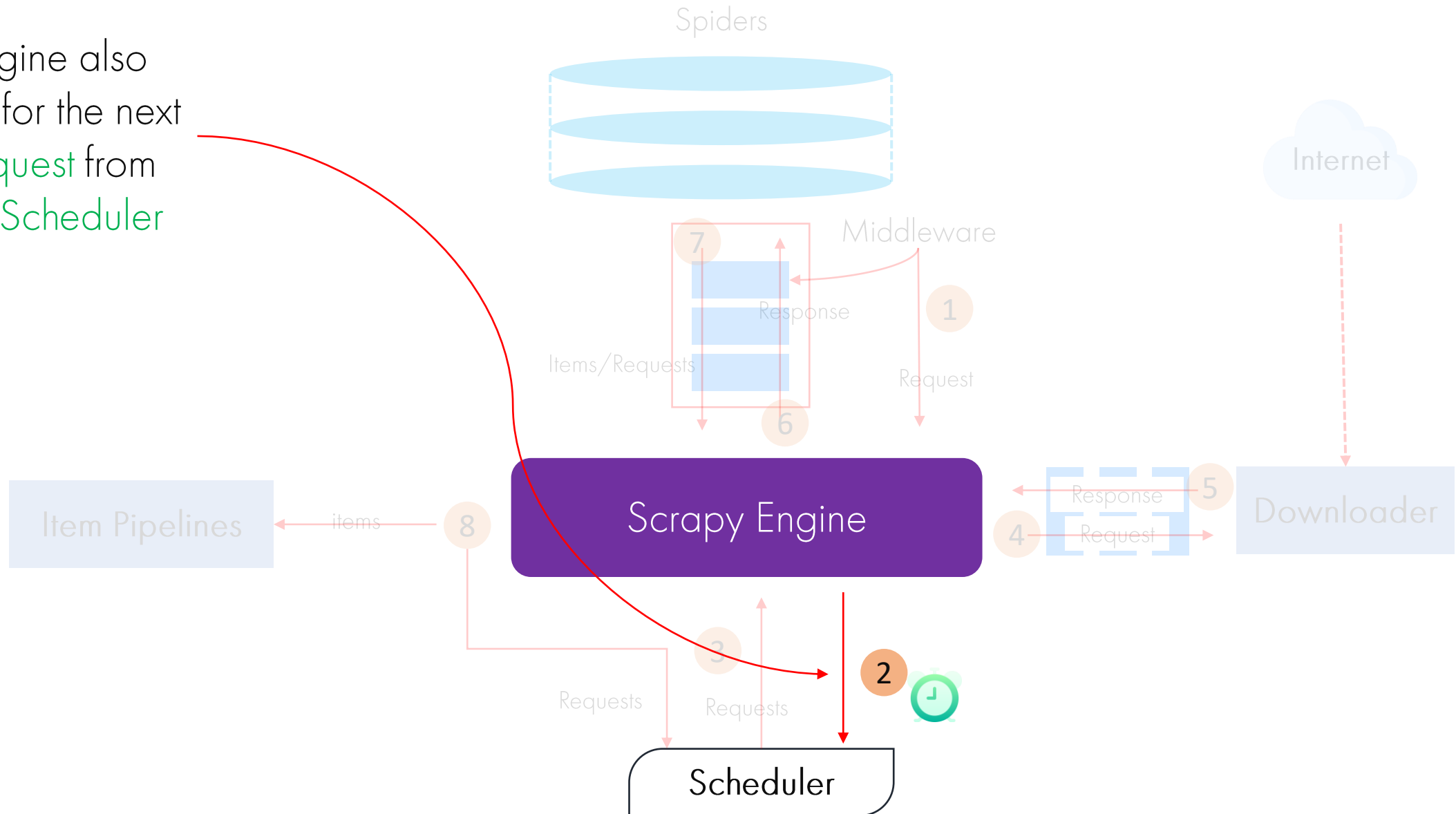


# How Scrapy Works



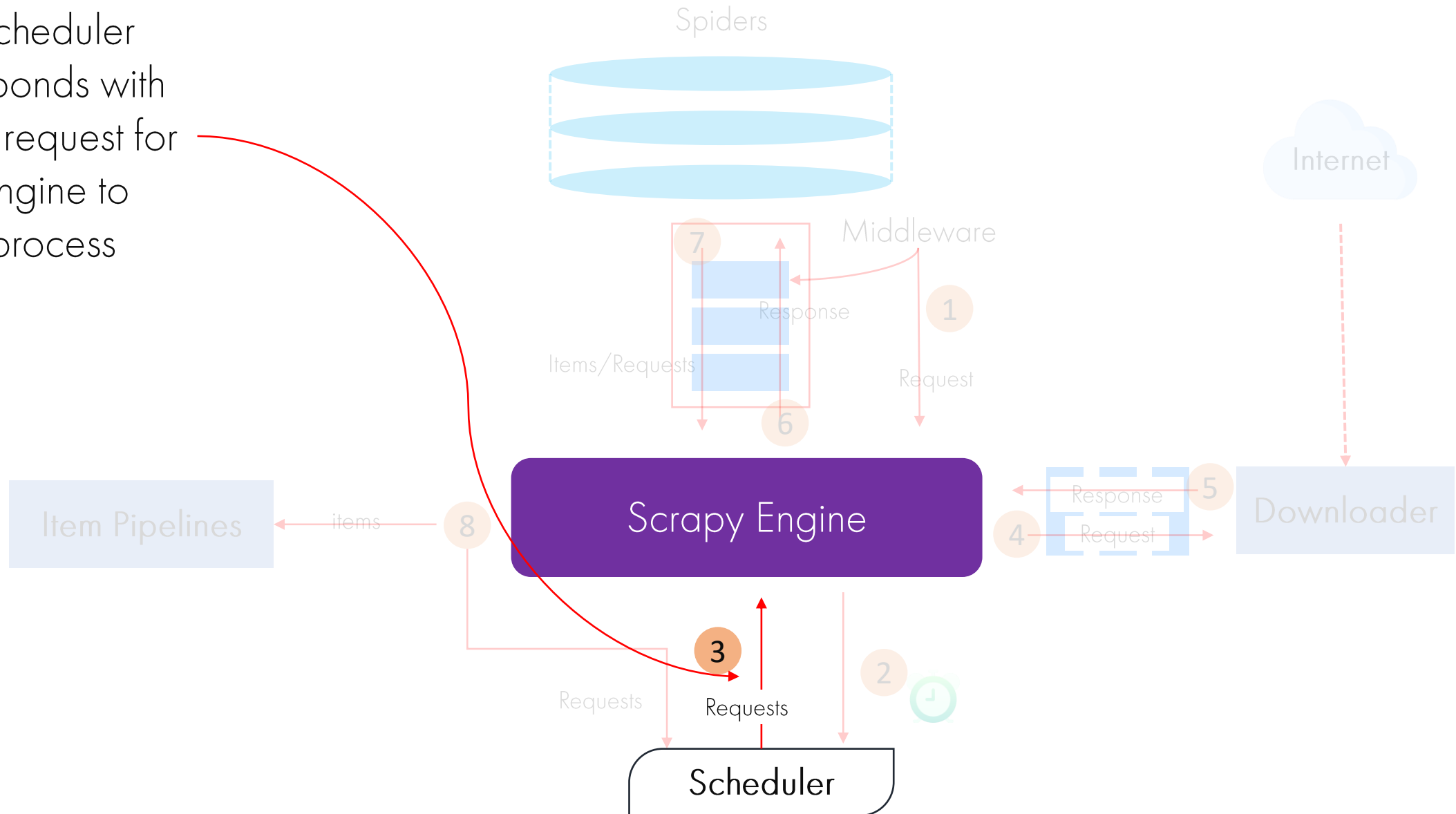
# How Scrapy Works

Engine also asks for the next Request from the Scheduler



# How Scrapy Works

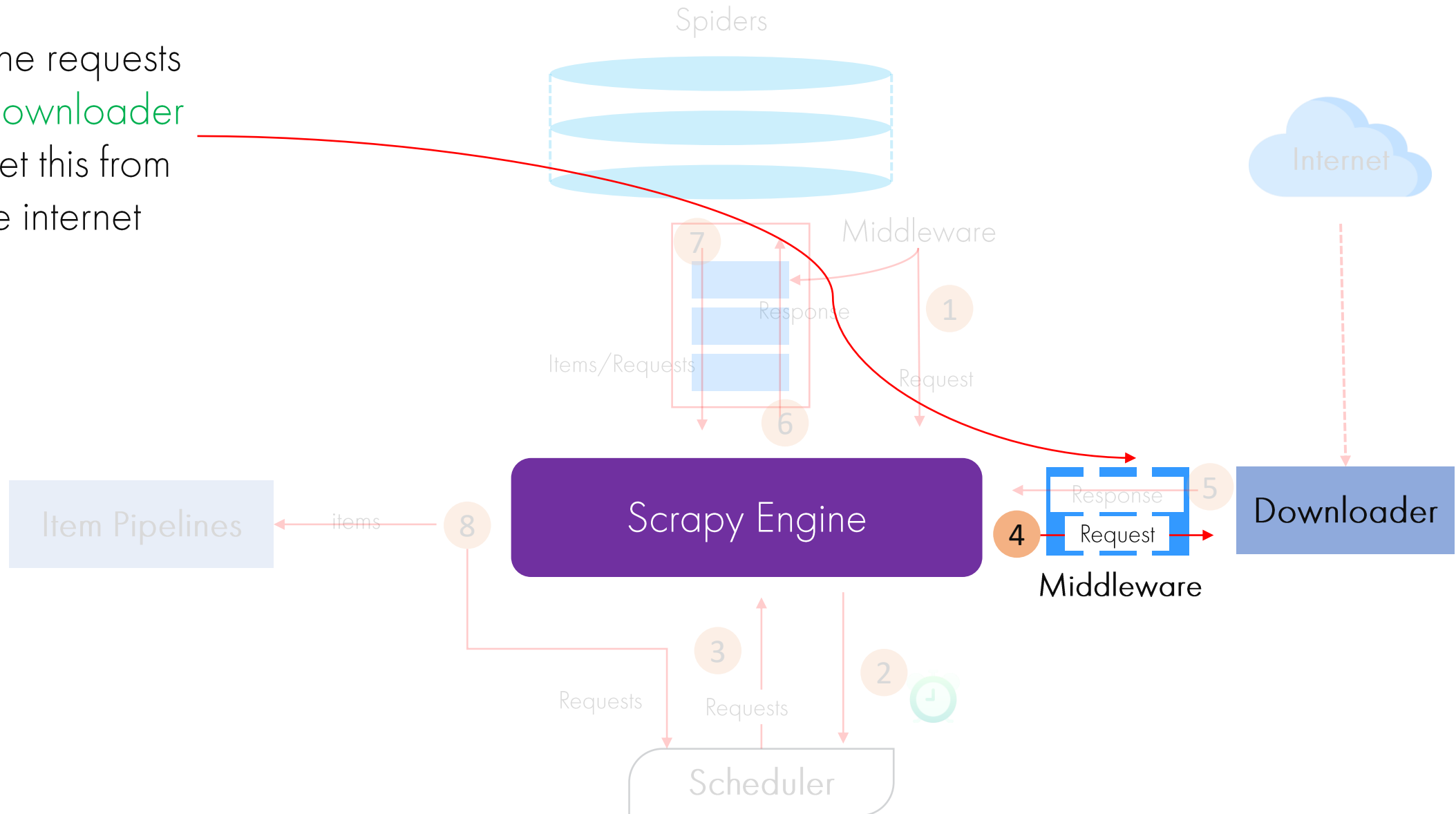
Scheduler  
responds with  
next request for  
Engine to  
process





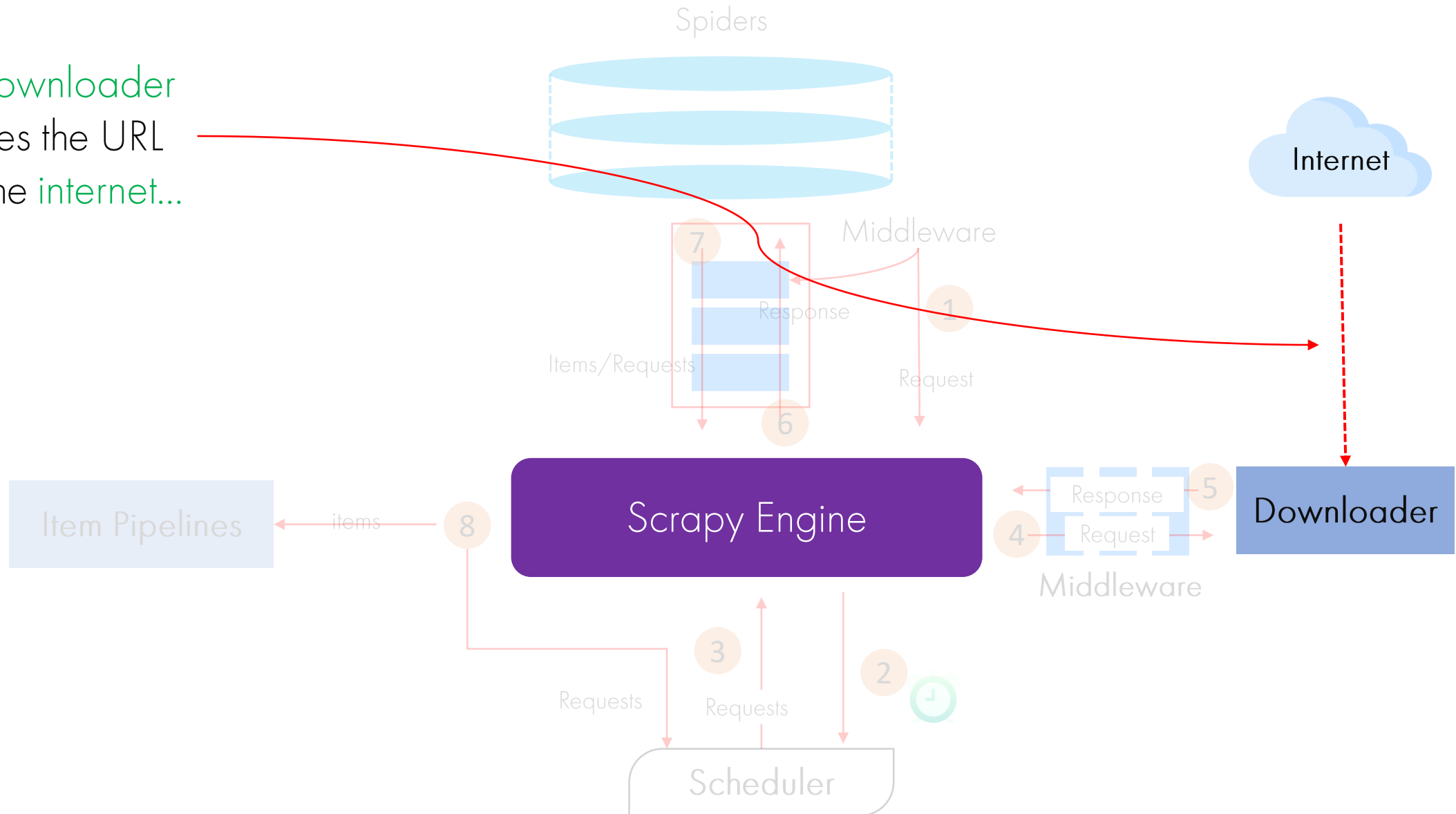
# How Scrapy Works

Engine requests  
the **downloader**  
to get this from  
the internet



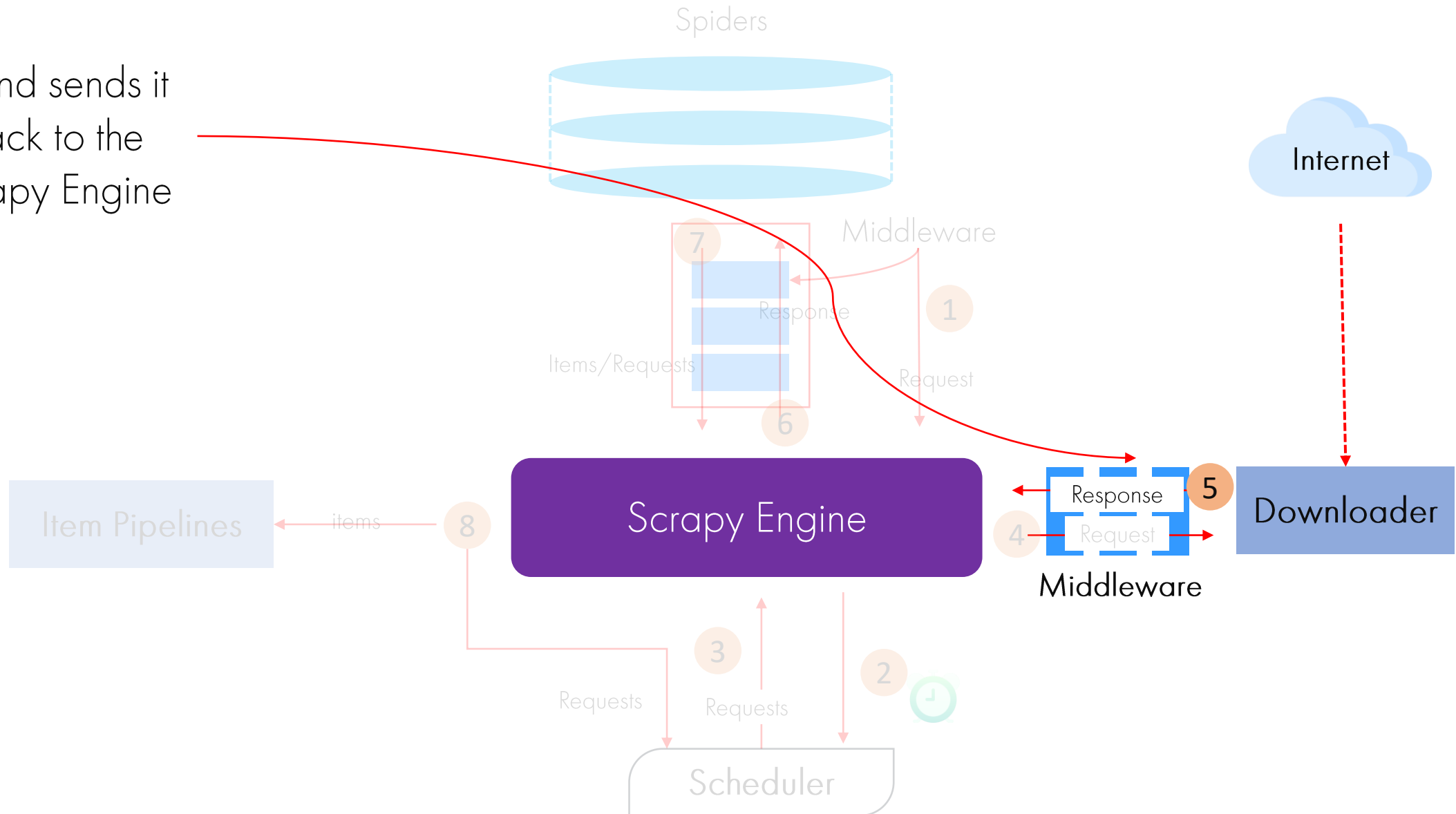
# How Scrapy Works

The **downloader** fetches the URL from the **internet**...



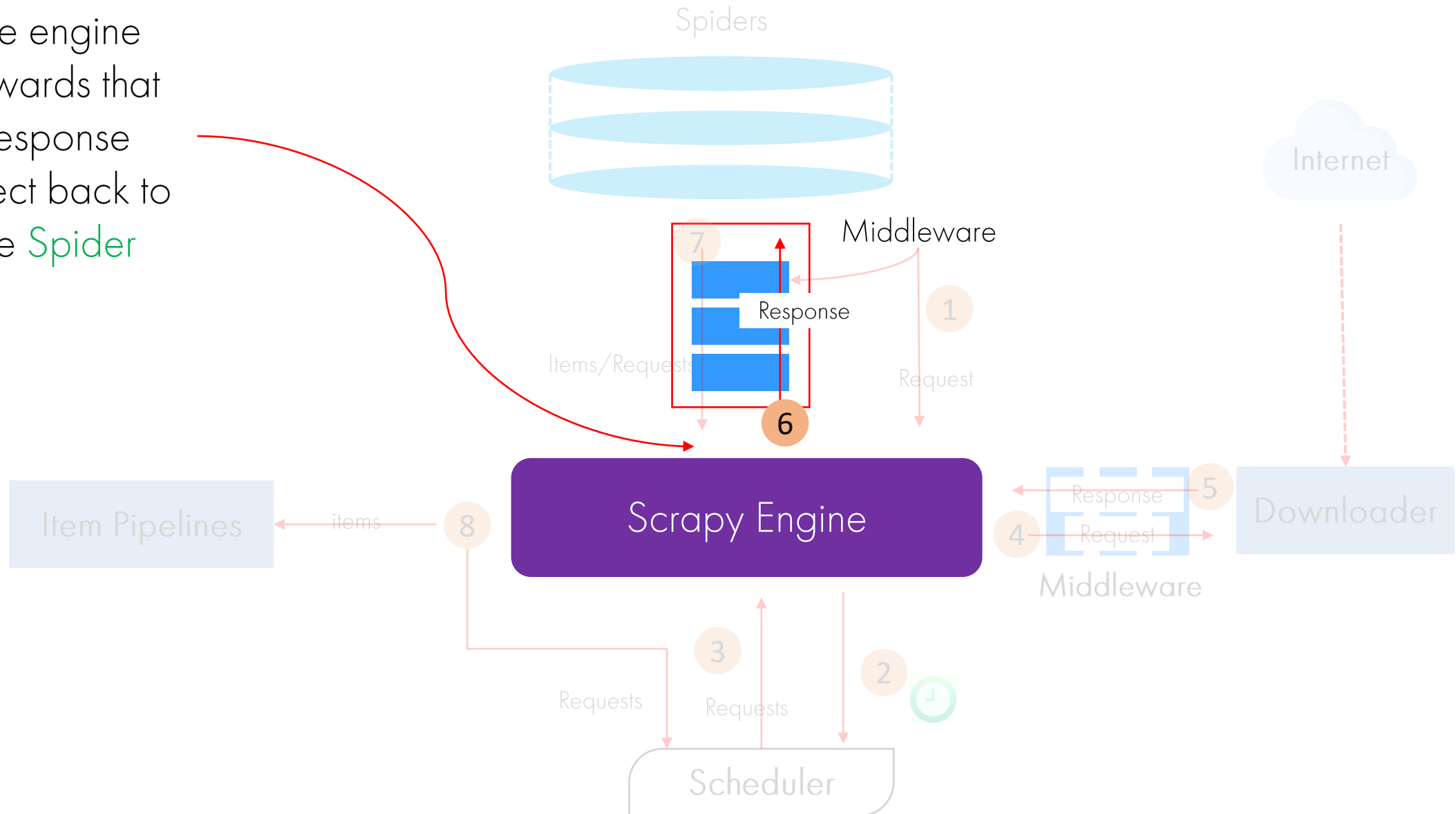
# How Scrapy Works

... and sends it  
back to the  
Scrapy Engine



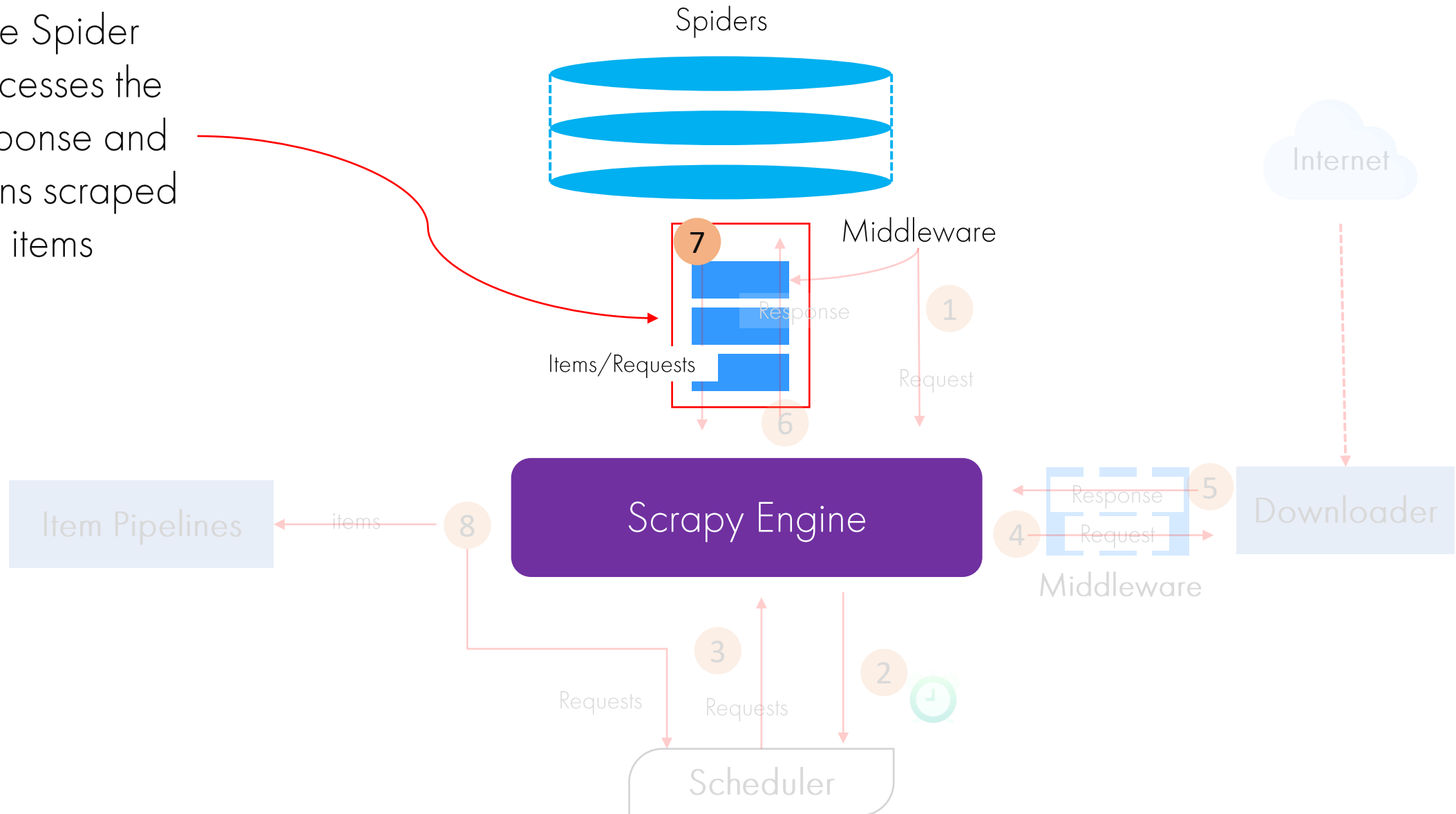
# How Scrapy Works

The engine forwards that Response object back to the Spider



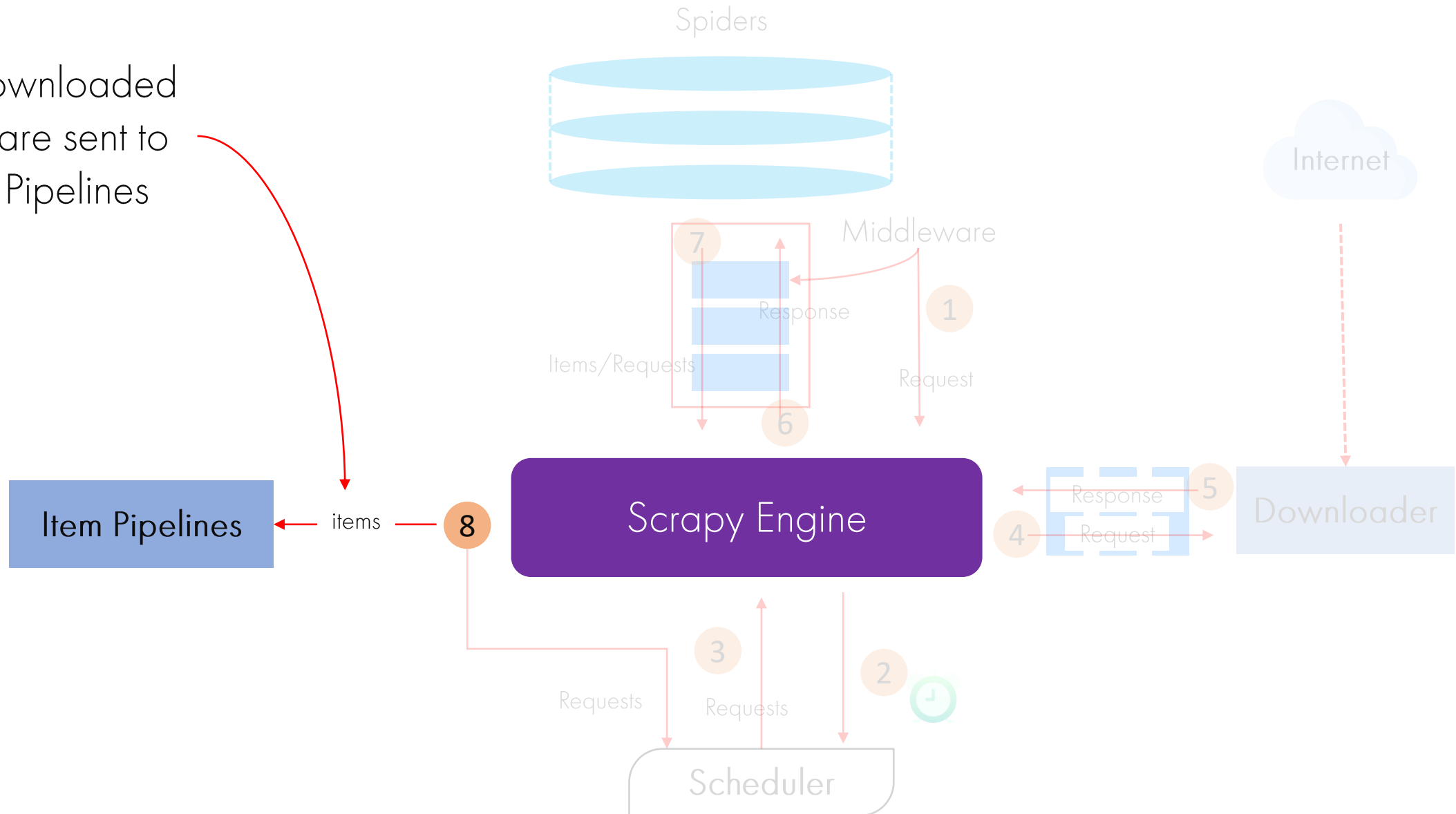
# How Scrapy Works

The Spider processes the Response and returns scraped items



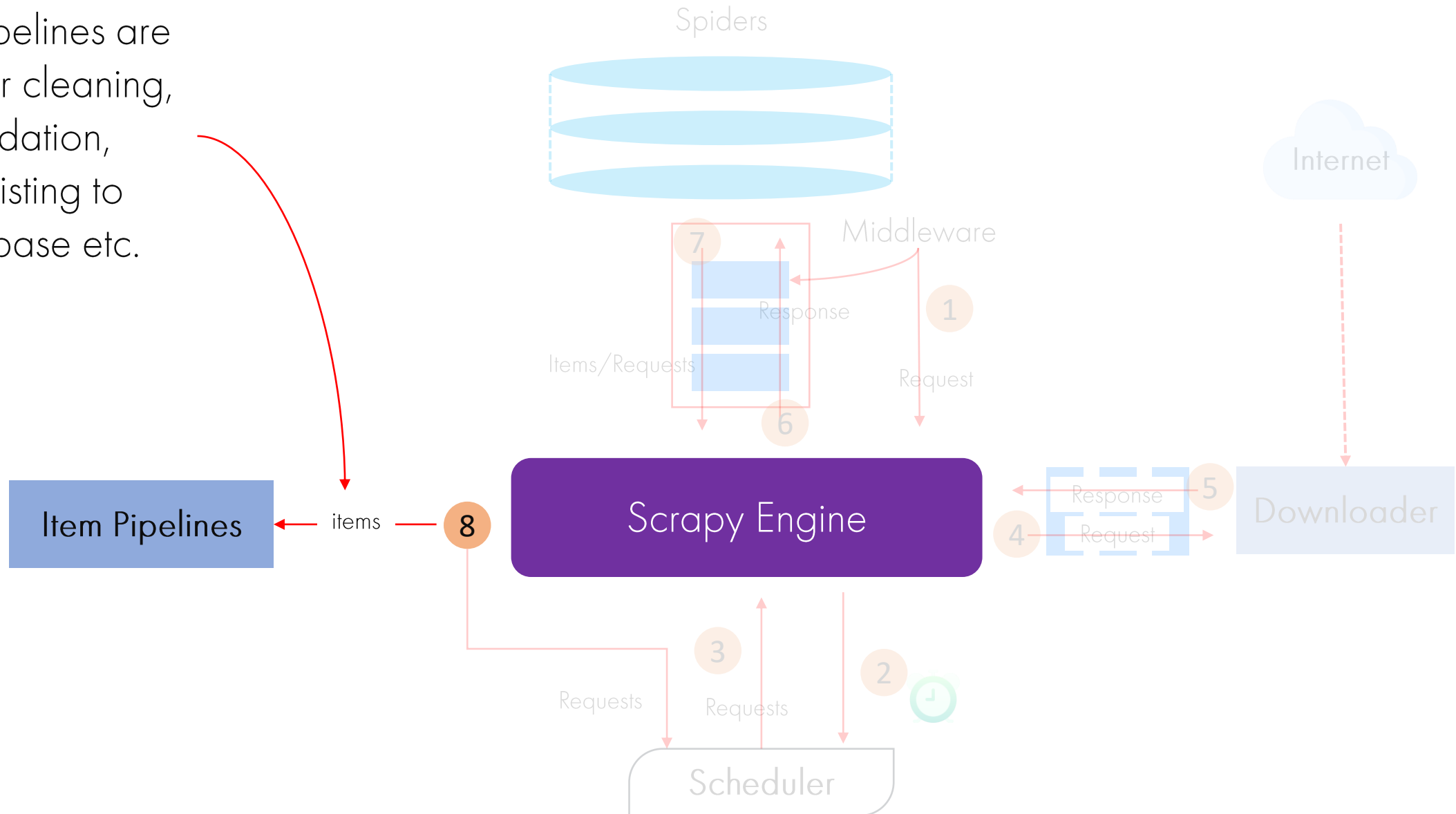
# How Scrappy Works

The downloaded items are sent to Item Pipelines



# How Scrapy Works

Item Pipelines are used for cleaning, validation, persisting to database etc.



## Spiders

Custom classes where you define custom behavior for crawling and parsing pages from a site or group of sites



# Implementing Spiders

## What to crawl

URLs to Start with are in the  
start-requests() method

## How to crawl

Callback function inputs web  
pages and outputs Items,  
Requests etc.

## How to parse

Selectors which determine  
which parts of web page are  
processed